DIRECTORY of EXPERTS

Universiti Malaysia Terengganu

Directory of Experts UNIVERSITI MALAYSIA TERENGGANU - Globalize Research Aim

DOE of UMT is the academician research profile illustrate their research interest and expert contribution to science and academic from social science, inland technology, deep to underwater microscopic life.

Who should read? All researcher and academician from universities and research institution, research funder, students, industrials partners, media and community are recommended to read this UMT directory research experts recognition.

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Contents

Directory
of
eXperts

Cluster
of
FOOD SECURITY

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EDUCATION

BSc. (UPM)	BSc. (Malaya)
MSc. (U. Newcastle)	MSc. (Salford)
PhD. (Bangor)	PhD (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the physiology and biology of fishes in response to climate changes. This field of research required detail understanding of fishes biology and physiology and specific organ function. Development of resiliency in response to climate changes parameters such as temperature and salinity in many fishes are species specific. Conducting this research in the field are cumbersome due to many un-control variable in the surrounding. Therefore laboratory validation of the fishes response to various climate changes parameters has expanded greatly due to the development of high-throughput experimental methodologies. These experimental methods provide the keys to a greater understanding of resiliency in response to climate changes parameters. These approaches can discover truly novel bio-physiology, and I am committed to apply the results of the experiment in the real world system. Other research interests I have explored in the past few years were the eco-biology of our fascinating giant mudskipper and it associated co-existing smaller mudskipper species and development of resiliency amongst the selected estuarine fishes species.

My research interests focus on fisheries population dynamics assessment, fisheries management and aquaculture. With aquatic food resources under pressure and declining it is vital to ensure their long-term sustainability and develop sustainable green aquaculture for selected species to ensure aquatic food security.

FIELD	Fisheries	Fisheries
EXPERTISE	Fish Biology	Fish Biology and Ecology
SPECIALIZATION	Ichthyology, Fish Behaviour, Fish Physiology	Taxonamy, Fishery Management and Stock Assessment

PROFESSIONAL MEMBERSHIP

- Ichthyological Society of Japan
- Marine Biology Association of United Kingdom
- Malaysian Fisheries Society
- Asean Fisheries Society
- World Oyster Society

NETWORKING & RESEARCH COLLABORATION

- Mie University, Mie Japan
- National Museum for Science and Nature Tokyo, Japan
- University of Kagoshima, Japan
- University of Hokkaido, Japan
- Institute for East China Sea Research, Japan
- University of Bung Hatta, Indonesia
- Prince of Songkla University, Thailand
- Universitas Airlangga, Indonesia
- University of Kagoshima, Japan

PUBLICATION

- Scopus ID : 6508246447
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- Google Scholar : Dr. Mazlan Abd Ghaffar
- Scopus ID : 7801528575
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EDUCATION

BSc. (UPM) | MSc. (Kochi) | PhD. (U. Antwerp)

DAHP, DVM, PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Main research is on the propagation of Malaysian mahseer *Tor tambroides*, a high value as well as the endangered species due to over exploitation either for food or spot fishing. The focus is on female broodstock since the gonad did not develop in captivity. For marine organism, studies on the fry production of mud crab *Scyalla* sp. Through enhancement of broodstock maturation and larval rearing improvement has been undertaken. For both species, the primary objective is to produce fry for restocking purposes before development of aquaculture for both species.

Development of marine natural bio-prospecting for mucosal immunology in small ruminant against respiratory bacteria pathogens (i.e. pneumonic pasteurellosis, haemorrhagic septicaemia). This includes adjuvant and compounds from aquatic resources to improvise the vaccine delivery system. My team also focuses on studying the potential of innate immune responses in protection against aquatic bacteria pathogen in shellfish and teleost. The reactions and reverse effects of host tissues towards the application these compounds were also studied. The safe and sound formulation of marine natural products, as well as the bio-prospecting derived products for nutraceutical, cosmaceutical were of interest, especially for the compounds that expedite the wound healing process. At the moment, I am also studying the potential of different microalgae species as marine-based bioproduct in collaboration with UPM, UniSel, Tokyo University, Technology Institute of Tokyo and Soka University under COSMOS Sastreps Research Interest Group from 2016 to 2020.

FIELD EXPERTISE SPECIALIZATION

Aquaculture
Hatchery Technology
Fish Breeding, Larval Rearing

Veterinary
Immunology, Histology
Immunopathology, Vaccinology

PROFESSIONAL MEMBERSHIP

- Asian Fisheries Society
- World Aquaculture Society
- Malaysian Fisheries Society

- Member, World Oyster Society
- Life Member, Microbiology Society of Malaysia
- Life Member, Laboratory Animal Science Assoc. of Malaysia
- Member, Veterinary Association of Malaysia
- Member, Malaysia Association of Veterinary Pathology
- Alumnus, Centre for Entrepreneur Learning, University of Cambridge, London
- Alumnus, World Bank Organization
- Alumnus, International Sciences, Techmology and Innovation Center (ISTIC), UNESCO

NETWORKING & RESEARCH COLLABORATION

- Can Tho University, Vietnam
- Prince of Songkla University, Thailand

- South Bretagne University, France
- Soka University, Japan
- Tokyo University, Japan
- Herriot Wyatt University, UK
- Cambridge University, UK
- Institut Teknologi Sepuloh Nopember, Indonesia

PUBLICATION

- Scopus ID : 26666488900
- Google Scholar : Abol Munafi Ambok Bolong

- Scopus ID : 6507445582
- Researchgate : Mohd Effendy Abd Wahid
- Google Scholar : Effendy, A.W.M.

MHD IKHWANUDDIN
Professor Dr.

NAJIAH MUSA
Professor Dr.

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EDUCATION

Dip/BSc (UPM)	Dip/BSc (UPM)
MSc./PhD. (UniMAS)	DVM, PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research primarily focuses on aquatic invertebrate culture, reproductive biology, breeding and reproduction. Invertebrate's aquaculture refers to crustaceans cultivated in freshwater, marine and brackish environments to enhance seed production. This field of research requires detailed understanding of invertebrate biology and physiology and specific breeding technology. The information of fundamental biology and culture technology can offer better understanding in grow out and seed technologies towards sustainable management strategies of aquaculture production. My previous projects involve crustacean culture including mud crab, blue swimming crab, spiny lobster, marine shrimp and freshwater prawn. Recently, my research were focused on the hatchery seed production of portunid crabs which includes fundamental knowledge on reproductive biology, broodstock management, breeding activities and larval rearing of portunid crabs that will pave the way for sustainable aquaculture development in the future. More advanced studies on seed production techniques are to be designed to further enhance the crablet quality of portunid crabs specifically and crustacean generally.

Her researches are largely on aquatic animal health, including disease surveillance, pathogen isolation, identification and characterization, diagnostic, therapy, control and prevention. The aquatic pathogens of her interest include *Vibrio* spp., *Mycobacterium* spp., *Streptococcus* spp., *Edwardsiella tarda*, *Aeromonas hydrophila*, *Elizabethkingia* spp., *Aphanomyces invadans* (epizootic ulcerative syndrome, EUS) and viruses (KHV, ISKNV, RSIV, NNV, WSSV, MBV, IHHNV, HPV, TSV, IMNV, YHV, etc). Her team has also done extensive works on extraction of bioactive compounds from mangrove and herbs as alternative antimicrobials. Her team is currently working on effective probiotic against early mortality syndrome (EMS)/ acute hepatopancreatic necrosis disease (AHPND) due to *Vibrio parahaemolyticus*, as well as other vibrio infections. Also being studied is broad-spectrum vibriolytic bacteriophage cocktail as potential biocontrol for vibriosis in shrimp and marine fish cultures, including EMS and luminous vibriosis.

FIELD	Aquaculture	Veterinary
EXPERTISE	Aquatic Invertebrates Culture & Biology	Microbiology
SPECIALIZATION	Hatchery and Seed Production Technologies	Aquatic Animal Health, Bacteriology

PROFESSIONAL MEMBERSHIP

- National Shellfisheries Association, USA
- Asian Council of Science Editors
- Malaysian Fisheries Society
- Asean Fisheries Society
- Malaysian Fisheries Society
- Asian Fisheries Society
- Malaysian Society of Marine Sciences

NETWORKING & RESEARCH COLLABORATION

- Shantou University, China
- Ginger and Coconut Development Sdn Bhd
- University of the Philippines Visayas, Philippines
- Southeast Asian Fisheries Development Center, Philippines
- Tokyo University of Marine Science and Technology, Japan
- Hasanuddin University, Indonesia
- Neocrab, Australia
- Centex Shrimp, Mahidol University, Thailand
- Yellow Sea Fisheries Research Institute, China
- Pearl River Fisheries Research Institute, China
- University of Aberdeen, UK
- Prince Songkla University, Thailand

PUBLICATION

- Scopus ID : 26666814000
- Researchgate : Mhd Ikhwanuddin
- Google Scholar : Professor Dr. Mhd Ikhwanuddin
- Scopus ID : 6505727629
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BTech.(Food)(USM)

PhD. (Leeds)

My research interest is focused on understanding the structure and function of food commodities/proteins as well as exploring value added products from food commodities/proteins. My research endeavour started with a PhD project entitled "The stability of digestive enzymes from Atlantic cod (*Gadus morhua*)". I have completed 18 research grants as project leader and 15 research grants as co-researcher. I was involved in many research projects such as flavour from legumes and yeast extract and flatus factor and ripening enzymes from jackfruit var Mastura. Besides, I also studied durian lectin, gum, flour from durian seed as well as fermented durian pulp. My completed grant on pumpkin was focused on pumpkin flour and developing low glycemic index products. For the last 12 years, my research focus is on aquatic food protein hydrolysates, involving the optimization of enzymatic protein hydrolysis condition to achieve certain targets, purification of the bioactive peptide of interest, studying the structure and function of the bioactive peptide of interest and comparing its function with the synthetic amino acid. Among the food protein hydrolysates studied were from cobia, silver catfish, blood cockle and mud crab. Besides that, gelatin and gelatin film from cobia skin were also studied. I am also involved with community project grants on pumpkin products, fish sausage, certification of safe and healthy café, aquapolitan project and currently on Terengganu sweet melon. I have published 28 journal articles, 1 book, 3 chapters in book and 32 proceedings articles. My participation in research and innovation competitions has resulted in 3 gold medals and 2 silver medals at international level, 1 silver medal and 4 bronze medals at national level and 3 gold medals at institutional level.

Food Science and Technology
Food Chemistry/Biochemistry
Food Proteins

- Malaysian Institute of Food Technology
- Malaysian Board of Technologists

- University of Leeds, UK
- Fisheries Research Institute, Penang
- Universiti Sains Malaysia, Penang
- Chittagong Veterinary and Animal Sciences University

- Scopus ID : 54972520800
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DVM, MVSc(UPM)

PhD (Murdoch)

My main research interests is in fish health, focusing on fish and crustacean (shrimp/prawn/crayfish and crab) parasite, pathology and management. More specifically, I am interested in understanding diseases of wild and farmed fish /crustacean by studying the interactions between pathogen and host, and pathogenesis. My interests also include their stress response to environmental and aquaculture-related stressors such as changes in water parameters (salinity and temperature) and handling. The techniques I use in these research include histopathology and molecular diagnostic tools. In the field of parasitology, I am currently working on the taxonomy and life cycle of *Acanthocephalan* from freshwater fish in Kenyir Lake, Terengganu. As a researcher in fish health, I use my knowledge and expertise to help the aquaculture industry by developing products based on natural resources for fish treatment. I have developed products such as an antiparasite and wound healing treatment from *Melaleuca cajuputi* extracts. My research on *Melaleuca* for fish, shrimp and freshwater prawn health is still ongoing. My latest endeavour is a collaboration with Airlangga University, Indonesia to develop products for fish health.

Veterinary
Parasitology and Pathology
Fish Parasitology, Fish Histopathology

- Veterinary Association Malaysia
- Malaysian Association of Veterinary Pathology (Life member)

- Airlangga University, Indonesia
- Murdoch University, Australia
- Prince Songkla University, Thailand

- Scopus ID : 35183049700
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- Google Scholar : Marina Hassan

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EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

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EDUCATION

DIP. (UPM), BSc. (UPM), MSc. (UPM), PhD. (UPM)

BSc. (UKM), PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focused mainly on ecology aquatic fauna in marine and estuarine habitats particularly on marine mollucs ecology relevant to environmental aspects of the area. I am also particularly interested in holistic study of marine and freshwaater bivalve. Assessing on diversity of edible bivalve and gastropod from peninsular Malaysia, Sabah and Sarawak is another angle of my current work. I have granted various research grants from Malaysian government through TRGS, FRGS, KTP and RUGS, and mostly as principal investigator and co-researcher with cumulative sum of approximately RM1.14 million. I have published more than 80 articles in either Web of Science or Scopus indexed journal and conference proceeding, chapter in book and two books. Apart doing research on aquatic biology and ecology, I am also interested in community development project to improve life quality of villagers living under vulnerable conditions.

My research interest focuses on the diversity and functional roles of microorganisms in aquatic environments. Culture-dependent and –independent approaches are used to address "who are they" and "what are they doing". Whole-genome study is applied to understand the adaptation mechanisms at singe species level. Metagenomics technique together with various bioinformatics tools is applied to investigate the population dynamics of microbial community and their nutrients processing pathways. Other "omics" approaches are also used to reveal the functional and metabolic diversity of microbes at different circumstances.

FIELD	Fisheries	Ocean Science
EXPERTISE	Aquatic Biology	Marine Microbiology and Biotechnology
SPECIALIZATION	Ecology of aquatic Fauna (Bivalvia)	Microbial Ecogenomics

PROFESSIONAL MEMBERSHIP

- National Shellfisheries Association
- Asian Fisheries Society
- Malaysian Fisheries Society
- American Society for Microbiology
- Malaysian Society for Microbiology
- Persatuan Genetik Malaysia

NETWORKING & RESEARCH COLLABORATION

- Japan Society for Promotion of Science, Japan (JSPS)
- Universiti Putra Malaysia
- Monash University
- Universiti Kebangsaan Malaysia (UKM)

PUBLICATION

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BSc. (UKM), MSc.(UKM)

PhD. (Stirling)

My research focuses on the impact of anthropogenic and natural environmental changes impact on aquatic animals physiology and behavior. Research techniques employed in my projects range from whole animal studies to molecular biology. I have extensive experience in animal production particularly of freshwater fish species and marine invertebrates (echinoderms and crustaceans), blood/haemolymph and tissues sampling. All of my research projects are highly integrative and include studies of underlying biochemical and molecular mechanisms. My researches are largely related to biological study of both aquatic vertebrates and invertebrates in associations with biotic and abiotic changes. Besides, I also conducts aquatic health related researches including plant-based antimicrobials (mangroves, edible plants, weeds, etc) as alternative therapeutics against high-impact bacterial pathogens in fish and shrimp aquaculture. Some of the researches have won awards at UMT research showcase (UMT Research Day). To date, I have over 20 publications in various journals, conferences and seminars, including Scopus indexed-journals with impact factors such as Veterinary Research Communications, Aquaculture Research, Journal of Animal and Veterinary Advances, Songklanakarin Journal of Science and Technology , International Food Research Journal and above 26 DNA sequence deposits at NCBI GenBank. I have been the invited reviewer for the Journal of Applied Aquaculture, Journal of Sustainability Science and Management (UMT), Journal of Fisheries and Aquaculture, Journal of Microbiology, Biotechnology and Food Sciences, Songklanakarin Journal of Science and Technology and Journal of Microscopy and Ultrastructure. My research currently is focusing on two main issues: (1) Climate change; and , (2) aquatic pollution, related to hormones, biochemical responses and also energy expenditure; all of these relating to the larger issue of animals production and performance of which helps in the sustainability of freshwater fish and marine invertebrates population.

Biology
Fish Physiology
Aquatic Ecophysiology

- European Aquaculture Society
- Malaysian Fisheries Society

- University of Stirling, Scotland
- CanTho University, Vietnam
- Airlangga University, Indonesia

- Scopus ID : 23983138500
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BSc. (UPM), MSc. (UPM)

PhD. (UKM)

My research interest is on genetic improvement of aquaculture species through breeding and molecular approaches. This involves the use of selective breeding, crossbreeding, hybridization, chromosome manipulation techniques and use of molecular marker in breeding program. Currently our research team is working on stock identification using molecular marker on tiger grouper (*Epinephelus fuscoguttatus*) and Arowana (*Scleropagus formosus*) farmed broodstocks for the purpose of broodstock management and seed production. We are also focusing on the development of molecular pedigree based monitoring system for arowana breeding. Apart from that, my research also looks into isolation and molecular characterization of important genes for aquaculture such as growth hormone genes. In addition, emphasis is also given into looking at the gene regulation of some important genes related to growth in response to several biological and environmental factors in aquaculture.

Fisheries
Fish Genetics
Fisheries Genetic Improvement

- Malaysian Fisheries Society
- Malaysian Genetic Society

- Prince of Songkla University, Thailand
- Bung Hatta University, Indonesia

- Scopus ID : 56644326500; 57112419800; 55700680100
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- Google Scholar : Shahreza Md Sheriff

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

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EDUCATION

BSc. & MSc. (KUSTEM)
PhD. (U. Antwerp)
BSc. & M.Eng (UTM)
PhD. (Adelaide)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My primary research focus is on fish physiology by examining the interactions of fish with their environment at all levels from the molecular to the ecological, such as captive culture conditions. I am particularly interested in the sublethal effects on natural factors (temperature, oxygen, water chemistry, swimming, feeding, social interactions) and anthropogenic pollutants (ammonia, and climate change) on organismal function, and their adaptability, metabolic compromising strategies and/or evolution by which animals confront extreme environments both in captive and wild conditions. Particular projects at present are fuel usage, nitrogenous waste production, metabolic strategy, hormonal balancing, osmorespiration, ionoregulatory and the kinetics electrolyte transporter or co-transporter in fish challenge to different stressors as model study to understand their adaptability and/or evolutionary in order to establish a sustainable good aquaculture practice and fisheries welfare management. In addition to that, my personal research interest/hobby is living aquatic jewelry (ornamental fish), especially the reef fishes on their interpersonal social interaction, feeding, reproductive behavior, reproductive performance and their adaptability to environmental change.

My research interest is in the field of green technology using beneficial microbes (bacteria, microalgae, fungi etc.) to maintain the ecological balance in both marine and freshwater ecosystems. In this role, my major research focus is on the development of sustainable aquaculture system using biofloc technology (BFT). Other than serving as a supplemented live feed for aquaculture organism, BFT also offers an alternative method to treat waste water. Most of the projects are focused on the identification of microbial compositions by morphological and molecular approaches, metabolite production and how water quality is influenced by the anticipated waste loads to investigate the mechanism for biofloc formation.

FIELD
Aquaculture
Biology

EXPERTISE
Fish Physiology
Environmental Sciences

SPECIALIZATION
Comparative physiology & Endocrinology, Fish Reproduction, Feeding physiology
Environmental Biotechnology

PROFESSIONAL MEMBERSHIP

- Malaysian Fisheries Society
- Society for Experimental Biology
- World Aquaculture Society

- Asian Federation of Biotechnology (AFOB)
- Asia-Pacific Chemical, Biological and Environmental Engineering Society (APCBEES)
- Malaysian Fisheries Society (MFS)
- International Water Association (IWA)

NETWORKING & RESEARCH COLLABORATION

- University of Antwerp, Belgium
- University of British Columbia, Canada
- University of Messina, Italy
- National Taiwan Ocean University, Taiwan
- National Sun Yet-Seng University, Taiwan
- Heilongjiang River Fisheries Research Institute, Harbin, China

- The University of Adelaide, Australia
- Prince of Songkla University, Thailand.
- Diponegoro University, Indonesia
- The University of Tokyo, Tokyo, Japan.
- Manjong Bio Ocean Venture Sdn. Bhd

PUBLICATION

- Scopus ID : 54791154700
- Researchgate : Hon Jung Liew
- Google Scholar : Hon Jung Liew

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BSc. (UMT) PhD. (Auburn)

My research interest revolves around the application of genetic and genomic approaches to the study of aquatic organisms important for aquaculture, conservation and ornamental industry. Our lab is currently developing partial DNA sequence to full genome databases based on NGS technology to characterize and record the biodiversity of wild aquatic species and aquaculture species in Malaysia. This documentation will be piloting other research on the aspects of how biological (metabolic adaptations, social interactions, immunology, physiology, reproductive and etc.) and environmental factors (climate changes, pollutants, anthropogenic stressors and etc.) are affecting the population structure and evolutionary lineages of a fish species. At present, we are employing gene expression profiling and transcriptomic approaches to discover novel and candidate genes influenced by either one of the abovementioned biological and environmental factors on various aquatic species ranging from coastal wild caught fish and coral reef fish, mud crab (*Syclla* spp.), shrimp (*Penaeus* spp.) to endangered freshwater fish (*Tor* spp.). The candidate genes will be a good biomarker in assessing the population's health and will also be an important asset to trace the quantitative trait loci (QTL) for genetic improvement programs. The enhanced genetic traits in a particular species will subsequently assist in the development of sustainable population stock for both aquaculture industry and restocking program.

Fisheries
Fish Genetics
Fisheries Genomics

- Fisheries Society of the British Isles (FSBI)
- Genetics Society of Malaysia

- Auburn University, USA
- Queensland University of Technology, Australia
- Griffith University, Australia
- Universiteit Antwerpen, Belgium
- University of Wellington, New Zealand
- Korea Polar Research Institute, Korea
- National Sun Yat Sen University, Taiwan
- Chittagong Veterinary and Animal Sciences University, Bangladesh

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BSc. Agrotech, MSc. (Bogor) PhD. (Bremen)

My research interest focuses on the socio-economic of fisheries and their environment; studies about the socio-economic aspect of fishery household (household structure, income and expenditure), fisherwomen, poverty alleviation, empowerment of fishermen and fish farmers, fisheries development; feasibility of fisheries projects (fishing industry and aquaculture business); fish marketing and export; fishing ports and others. My interests also include fisheries regulation study and the impact of fisheries industry to the environment.

Fisheries
Socio-economic of Fisheries
Socio-economic of Fisheries

- Indonesia Fisheries Professional Organization
- Professional Scientist of Rural Regional Development, Indonesia
- Padang Chamber and Commerce
- Professional Scientist of Oceanography, Indonesia

- University of Bremen, Germany
- Bogor Agricultural University, Indonesia
- Bung Hatta University, Indonesia
- Fisheries and Marine Affairs ministry, Indonesia

- Scopus ID :
- Researchgate : Alfian Zein
- Google Scholar : Alfian Zein

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc (Malaya), MTech (Env. Mgt).(Malaya), PhD. (Malaya)

BSc. (KUSTEM)

MSc., PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is in the area of algal eco-physiology. The primary research is on the impact of global climate change on algae because they can be used as promising indicator species for organic and inorganic pollutants since they are typically the most abundant life forms in aquatic environments and occupy the base of the food chain in marine and freshwater systems. With the aims of elucidating how algae response and adapt to environmental stress, understanding the effects of pollutants on the cellular biochemistry of algae and the biochemical mechanisms that algae use to detoxify or modify pollutants, my research is focused on monitoring the impact of environmental stressors such as chemical contamination and climate change on the growth, biochemical composition, DNA damage and oxidative stress enzymes activity on freshwater and marine microalgae and seaweed collected from the tropical and polar region. I also have interest in the more applied aspects of algal biology such as using algae for the bioremediation of agro-industrial wastewater and growing algae for the production of lipids for biofuel and other useful products.

My research interests are focused on the areas of image processing, artificial intelligence (AI) and human computer interaction (HCI). It is important to combine computer technology with potential applications in fisheries and aquaculture activities especially for image and data analysis. I am working on the estimation distribution of image and data analysis that consists of cell or larva counting, size measurement, segmentation, species classification, features extraction and blob processing analysis. Based on my research, computer technology can make significant contributions towards making the assessment of fish data and image analysis less time-consuming for the fisheries and aquaculture industries.

FIELD	Aquatic Botany	Computer Science
EXPERTISE	Algae Physiology, Biochemistry and taxonomy	Image Processing and Artificial Intelligence
SPECIALIZATION	Algae genetic ecotoxicology, Agro-industrial waste bioremediation & renewable energy using algae	Image and Data Analysis for Fisheries and Aquaculture

PROFESSIONAL MEMBERSHIP

- International Seaweed Association
- International Phycological Congress
- Malaysian Society of Marine Sciences
- Malaysian Antarctic Research Programme
- Malaysian Software Engineering Interest Group (MySEIG)
- Malaysian Fisheries Society (MFS)

NETWORKING & RESEARCH COLLABORATION

- British Antarctic Survey, Cambridge University, UK
- University Centre in Svalbard, Norway
- University of Tasmania, Australia
- Monash University Victoria, Australia

PUBLICATION

- Scopus ID : 50161995500
- Researchgate : Emienour Muzalina Mustafa
- Google Scholar : Emienour-Muzalina Mustafa
- Scopus ID : 55786694400
- Researchgate : Ezmahamrul Afreen Awalludin
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BSc, MSc. (UMS)

PhD. (Kindai)

My primary research focus is on aquaculture seed production with particular interest on technology development of artificial breeding for fishes of commercial importance. I am particularly interested in the development of sperm preservation of marine species in Malaysia. Application of sperm preservation will spearhead sustainable and genetically-sound hatchery production. Sperm cryopreservation will allow for reduced handling stress, help synchronization of gametes from both sexes allowing for efficient utilization of semen which will enhance seed production and will, in turn, help to alleviate the pressure on wild stocks and prevent vertical transmission of disease. My focus on artificial breeding lies in discovering the effects of internal (genetic, hormone) and external factors (temperature, photoperiod, water quality, lunar cycle) that affect broodfish maturation and reproduction. The fundamental knowledge will open doors for the successful commercialization and culture of potential aquaculture species. My interests also extends toward hybridization and its application in the aquaculture industry. I have established the cryopreservation protocols for local groupers (*Epinephelus* spp.) by investigating the effect of cryopreservation on sperm DNA integrity. These protocols have been applied in the production of hybrid groupers which are commercially viable for aquaculture not only in Malaysia but also in the Southeast Asian region. My current projects include the development of new hybrids of both food fishes and ornamental species. The activation mechanism of sperm of live bearing fish and relationship of the sperm microbiota and sperm quality are also my topics of interest.

Aquaculture
Seed Production Technology
Fish Breeding

- Malaysian Fisheries Society

- Universiti Malaysia Sabah,
- Summit Marine Sdn. Bhd

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BSc. (Aquaculture) (KUSTEM)

MSc. (Aquaculture) (UMT)

PhD. (UTAS)

At present, my primary research is on the production of new livebearing fish varieties produced via hybridization of four ornamental livebearing fish species namely the guppy, platy, swordtail and molly. In the research, the breeding ability, viability and reproductive fitness of the hybrids will be monitored and assessed to determine whether the hybrids can be a potential new commodity for the ornamental fish industry or a threat to the genetic biodiversity of fishes. I am also currently working on the development of a cheaper method to maintain and increase the ornamental fish colour intensity via environmental condition manipulation. Other than that, I am working closely with my colleagues on developing a new technology for ornamental fish packaging. The study includes the assessment of fish physiological response during packaging and transportation. This will help the industry to increase its ability to supply ornamental fishes worldwide regardless of the destinations' distance from Malaysia. Finally, I am also interested in the development of a genetic approach to eradicate invasive fish species in Malaysia.

Aquaculture
Reproductive Physiology and Endocrinology
Ornamental Fish, Invasive Fish Species

- Malaysian Fisheries Society
- Australian Society for Fish Biology

- University of Tasmania, Australia
- Tasmania Inland Fisheries Service
- Nong Lam University, Vietnam
- Universitas Bung Hatta, Indonesia
- Universiti Sains Malaysia
- Universiti Malaysia Sabah

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc (UMT)
MSc.(UTM)
PhD. (PSU)

BSc.(UMS), MSc.(UMS)
PhD. (Kindai)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focuses on the impact of selective fishing gear to fisheries, feeding ecology of marine communities, fish behavior towards intrinsic and extrinsic factors and management of fisheries resources. My other interest is the characterization of echo-sounder backscatters for fisheries application at micro level by remote sensing techniques. The costs of time spent searching for schools of fish in deep sea and coastal areas are high. Moreover, the lack of knowledge/tools in predicting target fish schools may result in overexploitation of bycatch (nontarget) fishes. Although Malaysian fishers use acoustic tools, they are unable to identify target fish schools because of the lack of skill in quantitative interpretation of acoustical images and this consequently increases bycatch fish production. Since the coastal fisheries resources throughout the world including Malaysia are declining, a systematic approach for locating potential fishing schools, especially the dynamic pelagic fishes, over a large areal extent is crucial to reduce cost and facilitate time effective fishing operation, reduce bycatch fish exploitation, and conserve fisheries resources. Ecological and acoustic-based techniques are very vital in the drive towards sustainable fishery management. Pelagic fishes play a significant role in the marine food web connecting the energy-producing phytoplankton to large fishes, predators and mammals, thus linking the upper and lower fisheries ecosystem trophic levels. Despite their significant role, especially in the marine ecosystem structure and functioning, precise information about their spatial distribution and biomass is still lacking. This may be due to either the lack of appropriate methods or complexity of measuring these migratory species. For the successful implementation of ecosystem-based fisheries resource and sustainable marine ecosystem health management, improved understanding of the abundance and stock density in terms of fish biomass for the tropical pelagic fish species is needed.

My primary research focus is on seafood safety; which examines the heavy metals contaminations in seafood as well as interactions of aquatic animals with their environment pollution levels. I am particularly interested in the anthropogenic pollutants (heavy metals, organic pollutants and antibiotics) in seafood and the risk assessment for human consumption. I am also interested in finding solutions to decrease heavy metal contamination in cultured seafood.

FIELD	Fisheries	Aquaculture
EXPERTISE	Fishing gears and Fish ecology	Seafood Safety
SPECIALIZATION	Fish Acoustic, Fishing Gear, Feeding Ecology	Heavy Metal Contamination

PROFESSIONAL MEMBERSHIP

- Malaysian Fisheries Society
- Asean Fisheries Society

- World Aquaculture Society
- Malaysian Fisheries Society

NETWORKING & RESEARCH COLLABORATION

- Prince of Songkla University
- Chulalongkorn University
- Kasetsart university
- University of Hokkaido, Japan

- Kindai University, Japan
- Osaka Municipal Technical Research Institute, Japan
- National Sun Yat-sen University, Taiwan
- National Museum of Marine Biology and Aquarium, Taiwan
- Ocean University of China, China

PUBLICATION

- Scopus ID : 57094073300
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- Google Scholar : Hisam Fazrul

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- Google Scholar : Mok, Wen Jye

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BSc, MSc, PhD. (UMT)

My current research interest is on the application of energy technology, specifically the fabrication of marine microalgae or marine waste materials for organic solar cell. Currently I am working on extracting calcium from the bone of mackerel scad fish (Selayang; *Trachurus trachurus*), a by-product of the 'keropok lekor' industry collected from manufacturers around Kuala Nerus, Terengganu. The extracted material were synthesized for CaTiO3 perovskite using the hydrothermal method, followed by the determination of its structure, optical and electrical properties using an X-ray diffractometer, FT-IR spectroscopy and two point probes. All these experiments help to gather fundamental data on the energy band gap, conductivity and efficiency of marine calcium such as perovskite which is valuable for the development of low-cost solar cells. Other than this, I am also currently studying the measurement of different fish species target strength (TS) using echosounder. TS is the measurement of echo produced by fish, which is actually the measurement of backscattered energy returned from the fish. The minimum and maximum band produced by the fish are measured. Different fishes have different TS according to their size and swim bladder type. The physical attributes of the fish will determine the backscattered energy produced by the reflection of sound waves from the transducer. The target strength of fish is a significant parameter in determining the abundance and biomass of fish population.

Physics
Renewable energy
Materials science, Solar cell, Polymer electrolytes

- The Malaysian Solid State Science and Technology Society (MASS)
- Malaysian Fisheries Society

- Universiti Tun Hussein Onn Malaysia (UTHM)
- Malaysian Agricultural Research and Development Institute (MARDI)

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BSc. (KUSTEM)

PhD. (James Cook)

My primary research interest is nutritional requirements and its metabolic and physiological effects to aquatic organisms, particularly aquaculture species. At present, my research focuses on various crustacean species such as *Portunus pelagicus*, *Scylla serrata* and *Macrobrachium rosernbergii*. Our research team is investigating physiological changes and adaptation of P. pelagicus during feed deprivation period to determine their metabolic and nutrient requirements. In addition, we have extended our studies to include the development of sustainable feed for aquaculture using alternative feed ingredients from different protein, lipid and carbohydrate sources. The pellets that we had developed include microbound diet, grow-out pellet and broodstock diet for *S. olivacea* and *M. rosernbergii*. Our esearch area covers the binding properties of the diets, nutrients requirements, gonad maturation, energy budget and moulting cycle of these crustacean species. In addition, studies has also been conducted on the compensatory growth of Tilapia and colour enhancement of ornamental fish.

Aquaculture
Aquaculture Nutrition
Nutritional Physiology

- Malaysian Fisheries Society

- James Cook University, Australia
- Shanghai Ocean University, China

- Scopus ID : 56703486200
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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

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EDUCATION

BSc. (KUSTEM)
PhD. (Auckland)

BSc. (UPM), MSc. (UPM)
PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focuses on the utilization and innovation of fisheries by-products. This involves possible mechanisms and approaches to modify proteins extracted from the fisheries industrial wastes. It also covers the investigation of the potential use of physically, chemically and enzymatically cross-linked proteins with improved properties, and how they may benefit the fishery and food industries. I previously studied the extraction of gelatine from fish waste, the characterization of its physicochemical properties compared to commercial mammalian ones, and modification through physical, chemical and enzymatic cross-linking and their effects on the properties of the gels. The optimized conditions used for the extraction of gelatine from one species were applied to several other species. Work on the application of potentially modified protein from the waste is now in progress and further investigation on the economic benefits to the coastal area community will be carried out. The idea of extracting variable compounds from fish processing waste is of enormous benefit for Malaysia as it may reduce the environmental impact of waste products disposal.

My research interest is focused on three aspects; DNA markers, functional genomics and gene expression profiling. Various DNA markers (mitochondria, DNA and nuclear DNA) are now being used to provide scientific solutions for various problems in fisheries and increase the productivity of aquaculture. The application of DNA markers helps to determine the population structure and genetic diversity of the fish species that are important in conservation and management of fisheries resources. My research also focuses on large-scale identification of expressed genes (functional genomics) in target tissues to understand the pathway of various genes involved in certain processes. The isolation and characterization of specific genes from different treatments/stages/species/individuals will enable researchers to determine the gene profile accurately. These will lead to the genes manipulation for specific purposes. Apart from that, I am also interested in DNA barcoding of fish species. Due to almost similar morphological features and lack of specific characteristics, some fish species have not been properly identified. Not only that, the slight differences between male and female fish can also lead to misidentification since they are identified mainly based on morphological features. Therefore, DNA barcoding is important to accurately distinguish fish species. I am currently involved in research projects dealing with Pangasiid catfish (*Pangasius* sp), shad (*Tenualosa* spp.), arowana (*Scleropages formosus*), Asian seabass (*Lates calcarifer*), grouper (*Epinephalus fuscoguttatus*), bluestreak cleaner wrasse (*Labroides dimidiatus*), Mullet and other species.

FIELD
Aquaculture

EXPERTISE
Food Chemistry

SPECIALIZATION
Fishery By-Products

PROFESSIONAL MEMBERSHIP
- Malaysian Fisheries Society
- World Aquaculture Society

NETWORKING & RESEARCH COLLABORATION
- University of Auckland, New Zealand
- Massey University, New Zealand

PUBLICATION
- Scopus ID : 35590292600
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FIELD
Fisheries

EXPERTISE
Fish Genetics

SPECIALIZATION
Fish Genomics

PROFESSIONAL MEMBERSHIP
- Genetics Society of Malaysia
- Malaysian Society for Molecular Biology and Biotechnology
- Malaysian Fisheries Society

NETWORKING & RESEARCH COLLABORATION
- Prince Songkla University, Thailand

PUBLICATION
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BSc (KUSTEM)

PhD. (Belfast)

My research interest is fisheries post-harvest technology. This includes: 1) thermal and non-thermal processing technology; 2) traditional and modern preservation techniques; and 3) application of natural product and packaging system. These principles are used to provide shelf-life extension by ensuring the fish safety and quality. I am also focusing on the post-mortem biochemical of fish and shellfish. This include studies on microbiology, chemistry, physical and enzymatic deteriorations that lead to quality loss of fish and fishery products.

Fisheries
Fish Post Harvest
Seafood Safety and Quality

- Malaysian Fisheries Society
- Asean Fisheries Society

- Queen's University Belfast, UK

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BSc. (KUSTEM)

MSc. (UiB)

PhD. (SCU)

My research interests include invertebrate ecology, climate change effects on coastal species, and nutritional quality of molluscs. I am currently working on the biochemical composition of under-utilized species, turbinid snails and their sensitivity to ocean climate change. Considering the global climate change scenario, increases in temperature could make marine organisms vulnerable to thermal stress. Low pH is an additional stress associated with ocean climate change that may also impact an organism's biochemistry and nutritional properties. This study provides valuable information about the suitability of turban snails in human diet as well as the baseline for studies of physiological effects of changes in the marine snails' environment. I am also currently interested in topics such as value-adding marine bio-resources, species diversity and distribution of molluscs in Malaysia.

Fisheries
Biology and Ecology of Molluscan
Biochemistry and Behaviour of Mollusc

- Malacological Society of Australasia

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

Dip. (UPMT) | BSc. (KUSTEM) | PhD. (SCU)

BSc. (KUSTEM) | MSc., PhD. (UTAS)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on fish population dynamics of commercial species for the conservation and management plan of fish population. My research experiences are on the marking and tagging of fish by PIT and acoustic tags, estimation of growth rate from tagging experiment and otolith section analysis, reproductive aspects and the diet and feeding habits of sub-tropical pufferfish. My current research are on the population of fishes of selected water systems such as fringing reefs, wetlands and riverine, including a study to measure the effectiveness of Marine Park implementation to conserve their various aquatic life from the mean of fish diversity and abundance. I am particularly interested in microchemistry and microstructure of fish otolith, which provide valuable information on the current and future status of fish population for better management in the future.

My primary research focus is on the diagnosis of aquatic animal diseases including finfish, molluscs and crustaceans with an emphasis on exotic (foreign) and emerging diseases. I also work on molecular virology emphasizing on the development of diagnostic tools for the detection and identification of viruses in aquatic organisms. My research focuses on the health of farmed fish in particular interactions between host, pathogen and environment. Understanding this relationships is important for health management, improving aquaculture production and ensuring sustainable development. I am interested in sustainable fish culture through disease control and investigation of fish mortalities. I am currently working on VNN (Viral Nervous Necrosis), WSSV (White Spot Syndrome Virus) in culture and wild species, Megalocytivirus in ornamental fish, oysters and mussels, HAV (Hepatitis Virus) and Dengue virus.

FIELD	Fisheries	Fisheries
EXPERTISE	Fish Management	Aquatic Virology
SPECIALIZATION	Fish Population Dynamics	Molecular

PROFESSIONAL MEMBERSHIP

- Malaysian Fisheries Society

- European Association of Fish Pathologists
- Asian Fisheries Society
- Malaysian Fisheries Society
- World Aquaculture Society

NETWORKING & RESEARCH COLLABORATION

- Department of Fisheries, Malaysia
- Department of Marine Park, Malaysia
- Southern Cross University, Australia
- Department of Agriculture, Fisheries and Forestry, Queensland Department, Australia
- National Museum of Marine Biology and Aquarium, Taiwan

- University of Tasmania, Australia
- Australian Animal Health Laboratory, Australia
- Department of Primary Industries, Parks, Waters and Environment, Australia
- National Fish Health Research Centre, Malaysia
- Universiti Putra Malaysia, Malaysia

PUBLICATION

- Scopus ID : 56271924200
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BSc (UMS)

MSc., PhD. (KINDAI)

My research interest revolves around the application of aquatic microbial approaches to the study of aquatic ecology importance in aquaculture, conservation and fisheries. I am working on understanding the importance of microbes in aquaculture and natural environment especially in isolating probiotics from useful microalgae, fish gut, shrimp gut and apply them to feed or direct usage for better aquaculture growth. Besides that, I am also on quorum sensing bacteria. I am also interested in biofloc, bacterial diversification, probiotic isolation and usage, bio-friendly aquatic pathogen control and many more. My work will contribute enormously to the aquaculture and conservation world as aquatic microbes form the highest population of the aquatic environment.

Aquaculture
Aquatic Microbiology
Aquatic microbial ecology

- World Aquaculture Society
- Malaysian Fisheries Society
- Malaysian Society for Microbiology

- Kindai University, Japan
- University of Antofagasta, Chile
- Universiti Putra Malaysia, Malaysia
- Mie University, Mie Japan

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BSc., MSc. (USM)

PhD. (KINDAI)

My research interest revolves around functional feed development incorporating sustainable feed ingredients and additives with nutriphysiological, behavioural and environmental aspects of important aquaculture species. This includes feed formulation, nutrient metabolism, bioenergetics, fatty and amino acids, digestion (digestive enzymes, digestibility and nutrient transport), nutritional regulation and sensory organs to enhance the quality, immunity and well-being of different life stages of fish. For broodstock nutrition in particular, I emphasize on improving reproductive and larval performances of fish which includes stages of oocyte maturation, reproductive hormone regulation, spawning response and larval development.

Aquatic Biology
Aquaculture
Aquaculture Nutrition

- World Aquaculture Fisheries
- Malaysian Fisheries Society

- National Sun Yat-sen University, Taiwan
- National Taiwan Ocean University, Taiwan
- Kindai University, Japan

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc., MSc., PhD. (Mie)	BSc., MSc. (UMT)
	PhD. (KU)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Gut microbiota play an important role in food digestion, nutrient absorption, survival and health of host aquatic animals. Probiotics as a valid alternative to antibiotics provide several benefits to the modulation of the host gut environment directly or indirectly. Current research is focused on bacterial community composition analysis of aquatic invertebrate and fish using both conventional and molecular methods in order to understand the important key bacteria functioning for either growth or digestion. Based on bacterial community composition, I am exploring the potential probiotics that have an effect on modulating host gut microbiota as well as improvement of host gut nutrition. Furthermore, I am also searching for high molecular substance degrading bacteria from several environments.

My research interest is on the physiology of fish and mainly on reproductive hormones manipulation and broodstock maturation. This involves the study of gonad maturation and larval quality enhancement. My latest research is on the effects of indolamine hormone and zinc amino acid on the reproductive physiology in improving the fish broodstock performance and larvae quality. Apart from that, I am also involved in aquaculture integrated system research, focusing on fish growth and broodstock maturation in aquaponic system, an integrated approach for efficient and sustainable aquaculture.

FIELD	Biology	Aquaculture
EXPERTISE	Environmental microbiology	Physiology
SPECIALIZATION	Aquatic Microbiology	Fish Reproductive Physiology

PROFESSIONAL MEMBERSHIP

- The Japanese Society of Fisheries and Science, Japan
- Malaysian Fisheries Society
- Malaysian Society for Microbiology
- Malaysian Fisheries Society

NETWORKING & RESEARCH COLLABORATION

- Mie University, Mie Japan
- Kagoshima University, Japan
- Hokkaido University, Japan
- National Fisheries University, Japan
- Universidad de Antofagasta, Chile
- Universidad Católica del Norte, Chile
- University of the Philippines Visayas, Philippines
- Kasetsart University, Thailand
- Asian Institute of Technology, Thailand

PUBLICATION

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TAN **MIN PAU**
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BSc. (Hon), PhD. (USM)

My research interest is mainly on the molecular ecology of the freshwater and marine water fishes, investigating the genetic diversity, genetic structure, phylogeography and phylogenetic of the wild populations. These studies form the base for conservation of species and recommendations on the population management strategy. It is also very interesting to study the phylogeographical relationship of aquatic organisms as it reveals palaeo-landscape with arrangements that shape intra-species genetic patterns that are apparent nowadays through both the mitochondrial and nuclear DNA analyses. I have been working on fishes with different biology and behaviors (e.g. non-migratory *vs.* migratory, pelagic *vs.* benthic, amphibious *vs.* fully freshwater or fully seawater) such as the striped snakehead Channa striata, snakeskin gourami Trichopodus pectoralis, Pearse's mudskipper Periophthalmus novemradiatus, longtail tuna Thunnus tonggol, two-spined yellowtail stargazer Uranoscopus cognatus, brushtooth lizardfish Saurida undosquamis and other species. My current researches extend over different regions of Southeast Asia and I look forward to deciphering the genetic variations, structure and distribution of aquatic organisms inhabiting these regions.

Aquatic Biology
Molecular Ecology
Conservation genetics

- Asian Society of Ichthyologists
- Malaysian Fisheries Society

- Deakin University, Australia
- National Science Museum, Thailand
- National Taiwan University, Taiwan
- Prince of Songkla University, Thailand
- Southeast Asian Fisheries Development Center

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BSc. (UMT)

PhD. (Bangor)

My primary research focus is on population genetics structure of marine and freshwater fishes. This includes the molecular analysis of population and species biodiversity using molecular methods in species identification, delimitation, revealing cryptic species which typically have high incidence in marine environments and detecting population structure for management and conservation of fisheries resources. I also investigate speciation and dispersal hypotheses regarding patterns of biodiversity inside and outside the Indo-Malay Archipelago which is the centre of maximum marine biodiversity. The species level will include phylogenetic analyses and DNA barcoding studies to quantify biodiversity at the COI gene at both intra- and inter-species levels, while analyses at population-level will examine population structuring and phylogeography utilizing additional genetic markers. My work will also focus on molecular analyses of stock structure of commercially exploited fishes, the impact of genetics on stock recovery and conservation of genetic resources, traceability of fish and fish products. My current research is focusing on molecular, systematic and phylogenies study in combination with taxonomic techniques to discriminate commercially important fish species complex and resolve their taxonomic ambiguities. Such information, while testing the accuracy of existing taxonomic frameworks, will assess the extent of cryptic species in fisheries resources and enable the development of an integrated taxonomic framework, thus informing management strategies for subsequent conservation and management.

Aquaculture
Molecular Ecology
Population Genetic Structure

- Asian Society of Ichthyologist
- Malaysian Fisheries Society

- Bangor University, UK
- University of East Anglia, UK
- Universiti Sains Malaysia, Malaysia

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (UPM)

MSc. (UMT)

PhD. (St. Andrews)

BSc., MSc. (UMT)

PhD. (Flinders Australia)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My principal research interests lie in the field of benthic ecology with emphasis on biodiversity and ecosystem functions. I am particularly interested in assessing how natural and anthropogenic activities affect benthic communities and how long these communities take to recover. I use different approaches in assessing the communities namely traditional (i.e. based on structural response) and a more novel approach (i.e. based on functional traits analysis). For the traditional approach, I normally apply several structural indices related to the total number of individuals, number of species, diversity indices and taxonomic diversity. Meanwhile, for a different perspective on benthic communities' recovery, I use several functional traits analyses that take into account the 'health capacity' of an ecosystem. I am committed to do the assessment in different scenarios related to the environmental issues. This is due to the importance of continuous and long-term assessments to find out the limit of changes different ecosystems can withstand before permanent damage takes place. The use of different approaches is particularly important to accommodate different industries that contribute to the environmental changes (but at the same time are economically important). My current research comprise assessing the impacts of bottom trawling and aquaculture on the ecosystem function in Malaysian waters. In addition, my research activities also spans the other side of the world where I study the impacts of climate change on the composition and functional diversity of seabed organisms in Antarctica.

My research interest focuses on the role of zooplankton and phytoplankton as 'living capsules' that are able to transfer nutrients to larval fish and shrimp in the natural ecosystem as well as in aquaculture. The scope of research covers the aspects of live food culture and nutrition, larval rearing, as well as ecological applications in aquaculture. This field of research requires detailed understanding on the nutritional requirements of larval fish and shrimp. I also work on food and nutrition of aquatic animals to identify trophic relationships in the food web and apply these findings to aquaculture management to increase fish and shrimp production. Furthermore, I am also committed to understand the impacts of climate change on zooplankton biology, abundance, as well as on its growth and reproduction. I am working on approaches to ascertain how diet can significantly impact the predator-prey interactions. Apart from that, I believe my research will assist in improving live food nutrition for a better nutrient transfer to larval fish and shrimp. My work will also contributes towards improving aquaculture production and management as well to the field of applied science. The ultimate goal of my research is to assist in the sustenance of the food security sector.

FIELD

Fisheries

Aquaculture

EXPERTISE

Benthic Ecology

Aquaculture Nutrition

SPECIALIZATION

Benthic Community & Ecosystem Function

Live feed culture, Larval nutrition, Zooplankton biology, Ecological-aqua applications

PROFESSIONAL MEMBERSHIP

- Asian Society of Ichthyologist
- Malaysian Fisheries Society

- Malaysian Fisheries Society
- Asean Fisheries Society
- Association for The Sciences of Limnology and Oceanography
- World Association of Copepodologist

NETWORKING & RESEARCH COLLABORATION

- University of St. Andrews, UK
- Centre for Environment, Fishery and Aquaculture Science, UK
- Korea Polar Research Institute, Korea
- British Antarctic Survey,UK

- Flinders University, Australia

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar : Wan Mohd Rauhan Wan Hussin

- Scopus ID : 56446926400
- Researchgate : Nadiah W. Rasdi
- Google Scholar : Nadiah Wan Rasdi

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BSc.(Hons.), MSc., PhD. (UKM)

My main research interest is documenting the marine ichthyofauna in Malaysian waters. An update of marine fishes is needed because we don't know exactly how many extant species are living in the continental shelf and its surrounding seas and islands, as they are still poorly explored and awaiting confirmation. This biodiversity finding is the most fundamental science to benefit further research and renewed records of our current fish diversity are essential for education and also pass it to next generation. I am interested in revising taxonomic problems within fish species complexes using morphological characterization complementary with molecular phylogenetic approach. These analyses have provided a better understanding to the relationship of fishes at the generic and species levels. Currently, I am also involved in the conservation and management of International Union for the Conservation of Nature (IUCN) Red List fish species.

Ocean Science
Fish Taxonomy
Marine Fish Taxonomy

- IUCN-SSC Sciaenidae Red List Authority
- Global Sciaenidae Conservation Network, Taiwan
- Japan Society for the Promotion of Science, Japan
- Asian Society of Ichthyologists

- Scopus ID : 26321197300
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Dip. (UiTM) BSc. (MSU) Med. (UTM) PhD. (IIUM)

My research interest is focused on the potential of phytochemical components from natural resources either from plant or animal sources that contribute to health benefits. These naturally occurring components are primarily of interest for health maintenance, disease prevention and known to play an important role in functional foods. I am focusing to understand the health benefits that these components can offer, how these benefits can be delivered in foods, safety amounts of the components and also potential interactions among the foods components. It is important to clarify which component or group of the components play particular roles in health maintenance and how it is associated with the reduction of chronic diseases. Currently, consumer demand food products with fewer synthetic additives, but increased safety and shelf-life. Therefore, research such as on natural antioxidants that inhibit the development of oxidative rancidity in fat-based foods and antimicrobials that prevent the growth of pathogenic and spoilage micro-organism is a key factor to be explored. It is hoped that not only the presence of natural components in plant and animal sources contribute to health maintenance and disease prevention but can also improve the physicochemical, shelf life and sensory quality of processed food.

Food Science & Technology
Food Science & Technology
Food Chemistry, Phytochemicals, Food Processing

- Prince of Songkla University, Thailand
- Cittagong Veterinary and animal Science University, Bangladesh
- International and Islamic University Malaysia
- Politeknik Sultan Hj. Ahmad Shah, Kuantan

- Scopus ID : 54785035600
- Researchgate : Azizah Mahmood
- Google Scholar : Dr Azizah Mahmood

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc., MSc., PhD. (USM)

BSc. & MSc. (UKM)

PhD. (UWA)

RESEARCH CONTRIBUTION & ACHIEVEMENT

I received my Ph.D. degree in medical entomology from Universiti Sains Malaysia for my studies on the population abundance, distribution, forecasting models and breeding habitat ecology of dengue vectors in Penang Island. Before joining Universiti Malaysia Terengganu (UMT) as an academic staff in 2014, I worked as a Research officer (contract) at the School of Biological Sciences, USM. As the research officer in entomology, I have been involved in research related to mosquitoes, flies, cockroach, ants and aquatic insects. My current research projects in UMT are focused on the biology, ecology and control of agricultural and stored products insect pests such as sweet potato weevil, rice weevil, brown plant hopper, stem borer and leaf roller of paddy. I am also currently conducting research on the biology, ecology and behaviour of dengue vectors in Terengganu as well as insect pests associated with stingless bees.

My research is focused on the nutritional values of phytochemicals, particularly on polyphenols. It is well known that consumption of plant-source food is good for human wellbeing. This recommendation has been in place for many years. However, the exact system behind the beneficial effects of this dietary recommendation is still largely explored. I am particularly interested in the attributes of the plant secondary metabolite, polyphenols, which are largely known as the antioxidant source of our diet. This vital compound is not only useful as antioxidants, but also for many other bioactivities. My research revolves around the benefits of these compounds which includes flavonoids and phenolic acids in human health, especially in relation to cardiovascular health. This involves the effects of coffee polyphenols on endothelial function and metabolic disorders. My interest also extends on other benefits of the polyphenols which include deterioration-delaying applications in fruits and seafood products. The application involves several studies on treatments such as the development of edible coating using different natural sources. Additionally, I also explore the composition of phytochemicals and aspects of bioactivities in plants especially from local sources that can be suggested for optimal utilization. Studies on coffee and coffee waste bioactive composition as well as utilization are also part of my interest. I work closely with collaborators from Malaysia as well as international researchers to expand the knowledge on the aforementioned areas. Potential collaborators are invited to join any related future projects.

FIELD
Entomology

EXPERTISE
Insect Biology and Ecology

SPECIALIZATION
Medical entomology (Aedes mosquitoes), Agricultural entomology (agriculture insect pest and control)

FIELD
Biological Sciences

EXPERTISE
Nutritional Values of Phytochemical

SPECIALIZATION
Phytochemical and Antioxidant, Natural Product Clinical Nutrition and Pharmacology

PROFESSIONAL MEMBERSHIP
- Malaysian Society of Parasitology and Tropical Medicine (MSPTM)

- Malaysian Natural Product Society

NETWORKING & RESEARCH COLLABORATION
- Universiti Sains Malaysia
- Universitas Syiah Kuala, Banda Aceh, Indonesia
- Universiti Malaysia Sarawak
- Universiti Malaysia Kelantan

- The University of Western Australia, Australia

PUBLICATION
- Scopus ID : 34067701700
- Researchgate : Nur Aida Hashim
- Google Scholar : aida hashim

- Scopus ID : 54796803900
- Researchgate : Aidilla Mubarak
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Dip. (ITM) | BSc. (UPM) | PhD. (Reading)

My research is focused on the changes during food processing, development of new food products and rheological changes during food processing. This field of research requires detailed understanding of how the raw materials interact with each other in order to produce wholesome and nutritious food. Many factors could influence the outcome of the processes and procedures used in this field. Specific parameters are analysed in order to predict the interactions or outcomes. It is important to determine the dynamics of the raw materials and processes as they will interact or respond differently, sometimes synergistically or antagonistically with one another. This approach is important in order to predict the outcome of the process which will produce a better product. This research is important in providing solution to the processing and product troubleshooting in the food industry and this has been a key loophole in most medium scale industries. Other than that, it will also enable the industries to improve and expand their applications and production to a better and higher scale. Apart from that my other interests include experimental development of chitosan from crustaceans and the optimisation of the process parameters. The chitosan produced can be utilised in the clarification of juices and other purposes. Other interests include the utilisation of Lactic acid bacteria (LAB) isolated and purified from honey in the production of cheese and other related products. This will enable the utilisation of native LAB and decrease the dependency on imported ones in food production. All my research interests are mostly geared towards helping the community and industries in enhancing food production.

Food Technology
Food Processing
Food Product Development, Food Processing

- University of Reading, UK
- Prince of Songkhla University, Thailand

- Scopus ID : 3-3239-9805
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Dip. (UPM) | BSc., MSc. (UMT) | PhD. (Nancy)

My main research interest is in the area of saprophytes fungi interactions, particularly in the role of substrates in fungal biodegradation, enzymatic modification of lignin and fungal mycelium development. I also conduct research on fungal conservation biology, including investigations of fungal red-listing in Southeast Asia caused by habitat loss of forests or deforestation and climate change. This project is collaborated with IUCN SSC Specialist Group on Mushrooms and Global Fungal Red List Initiative.

Microbiology
Mycology
Fungal Biology and Biotechnology, Mycoremediation, Fungal Conservation Biology

- IUCN Species Survival Commission Mushrooms, Brackets and Puffballs Specialist Group
- European Mycological Association (Member)
- American Society of Microbiology (Member)
- The International Society for Silicon in Agriculture and Related Disciplines (Member)
- Malaysia Society for Microbiology (Member)

- University of Bergen, Norway
- University of Lorraine, France
- Chaire Agro-Biotechnologies Industrielles (ABI) of AgroParisTech, University, France
- Sarawak Forestry Corporation, Malaysia

- Scopus ID : 35190687600
- Researchgate : Andrew Anak Ngadin
- Google Scholar : Andrew Anak Ngadin

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

BSc. MSc.(UPM)	BSc., MSc. (UMT)
PhD. (Southampton)	PhD. (Kasetsart)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is more on ultra-processed foods consumption, diet quality assessments especially among children, and food insecurity among the vulnerable groups in Malaysia (i.e. fishermen in the East Coast, homeless children, orang asli and also the university students). I have been awarded a university grant on the Development of New Food Classification (Ultra-Processed Foods/Products (UPP) and its association with Nutritional Status of Malaysian Population. Briefly, this study is in regard to consumption of highly processed foods, or what I call ultra-processed foods. To date, there is a lack of data on the consumption of highly processed foods in Malaysia. This particular study will be one of the studies that may contribute empirical data on the patterns of highly processed food consumption in Malaysia via the UPP approach. The data are crucially needed as evidence of the highly processed foods growth in Malaysia is small. In addition, in Malaysia, no study has been conducted on developing a more evidence-based and critical approach model by grouping foods based on the food processing levels. This model will subsequently be tested for an association with selected nutritional status. This is to see the implications of this new food classification, UPP, towards the nutritional status of the population in Malaysia. My students and I have been working on this study for the past two years. In light of the diet quality and food insecurity, one of the studies done was on the fishermen children's diet quality. There has been a lack of study on the diet quality of children from fishing communities, especially those on the East Coast of Peninsular Malaysia. The extent to which the nutritional status of fishermen's children may be influenced by their diet quality is unknown. Apart from that, we also determine their breakfast consumption and its relationship with cognitive performance among fishermen's children in Terengganu. We also assessed the fishermen household food insecurity and their food coping strategies in sustaining their food availability especially during the monsoon season.

My research interest is focused on the exploration and utilization of local terrestrial and marine plants as natural feed, supplementation and non-chemical treatment for livestock diseases in order to produce good quality meat and milk products for consumers. This field of research requires detailed understanding of pharmaceutical and nutraceutical concepts of natural products and their secondary metabolites compounds' efficacy to be used on livestock. To promote natural products use by local farmers, a complete information on toxicological data consisting of safety feeding regime and side effects on animal's body and their internal organs should be studied. Laboratory validation on *in vitro* efficacy trial should be followed by *in vivo* feeding trial at farm. Farm and animal management are also important factors that should be observed to evaluate their influence on livestock diseases. To extend my research, I have also explored the effects of natural products utilisation in animals feed on meat and milk quality by observing their post-harvest parameters.

FIELD	Public Health Nutrition	Tropical Agriculture
EXPERTISE	Community Nutrition	Animal Husbandry
SPECIALIZATION	Dietary assessment, Ultra-processed foods, Diet Quality assessment	Ruminant Health and Parasitology, Natural Product for Animal, Livestock Product Quality
PROFESSIONAL MEMBERSHIP		• Malaysian Society of Parasitology and Tropical Medicine • Malaysian Society of Animal Production • Malaysian Natural Product Society
NETWORKING & RESEARCH COLLABORATION		• Kasetsart University, Thailand • Chiang Mai University, Thailand • Gadjah Mada University, Indonesia
PUBLICATION	• Scopus ID : 57196031660 • Researchgate : Asma Ali • OrcID : http://orcid.org/0000-0003-4400-6749	• Scopus ID : • Researchgate : Mohd Azrul Lokman • Google Scholar : Azrul L. M.

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BSc. (UPM) MSc.(USM) PhD. (UMS)

My research interest is focused on the bioactive peptide of seafood products and other food product as well. This field of research requires detailed understanding of protein chemistry, proteomics analysis, Bioinformatics and also skilled in advance equipment such as tandem mass spectroscopy. Bioactive peptides are protein fragments that infer health benefits and lead to the reduction of disease risk to humans or animals beyond simply serving as a source of essential amino acids for primary protein nutrition. Biologically active peptides can be generated from precursor proteins using various techniques, including enzymatic hydrolysis (either by digestive enzymes or enzymes derived from microorganisms and plants) and microbial fermentation. These approaches can discover truly novel bioactive peptides that can be used as components for functional foods or nutraceuticals and I am committed to apply the results of the experiment in real world applications. Currently, I also lead a research grant (proteomic analysis of *Budu*/fish sauce) and as co-researcher for microbiological contamination of peeled blood cockles and Evaluation of i2D-PAGE (PRGS/USM). I am also involved in Horseshoe Crab Research Group (developing of feeding pellets) and Stingless Bee Honey Research Group (proteomic analysis of honey). I am also a consultant for several food industries, especially for Small and Medium Enterprise (SME) related to seafood products.

Food Science and Technology

Protein Chemistry, Product Development

Proteomic analysis, Bioactive peptide, Seafood products

- Malaysian Institute of Food Technology

- Fisheries Research Institute, Penang.
- USM, Analytical Biochemistry Research Center (ABrC), Penang.
- Faculty of Sustainable Agriculture, UMS, Sabah.
- Faculty of Food Science and Nutrition, UMS, Sabah.
- Faculty of Agro-Industry, Chiang Mai University, Thailand.
- Faculty of Agricultural Industrial Technology, Universitas Padjadjaran, Indonesia.

- Scopus ID : 57196030492
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BSc(UKM), MSc.(UKM) PhD. (Southampton)

My research interest is focused on the cardiovascular disease (CVD) modulation using dietary approach. Previously, during my PhD research, I used fish oil supplementation as to determine its effects on healthy and carotid endarterectomy patients, particularly on inflammatory markers. Apart from that, my interest is also in cell culture using different types of primary cells as to explore any changes on inflammatory markers at protein and mRNA levels. Currently, I am doing my research on use of honey and black seed supplementation on CVD risk modulation, cognitive function, and glycemic control. In this study, the most important thing is that the honey used must be genuine in order to obtain its benefits. For the purpose of fulfilling specific ethical requirement for human intervention study, I have Good Clinical Practice (GCP) certificate. Other than that, my research interest is also in complementary alternative medicine (nutrition field), role of fasting including Islamic intermittent fasting on CVD risk modulation and body weight management. My experience in teaching and research lead me to transfer my expertise to community, thus our group also involve with peripheral community (island's population) including Orang Asli to help them on nutrition issue. Presently I also handling medical nutrition therapy and weight management clinic at University Health Centre, UMT

Nutrition & Dietetics

Nutritional Biochemistry

Cardiovascular disease, Human intervention study

- International Society for the Study of Fatty Acids and Lipids
- Malaysian Dietitian Association

- Universiti Kebangsaan Malaysia
- University of Southampton
- Universiti Sultan Zainal Abidin
- Institute of Medical Research, Kuala Lumpur

- Scopus ID : 24068071200
- Researchgate : Hayati Yusof.
- Google Scholar : Hayati Mohd Yusof

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (UKM) | MSc. (UPM) | PhD. (Reading)

BSTM (UPM), MSc. (UPM) | PhD. (Nottingham)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused plant signalling and development in response to environmental changes. This field required knowledge starting from seed development until plant development and how they can respond and adapt with the environmental changes including pathogen attack. Conducting research in this field will provide more information on factor affecting seed formation and germination and the mechanism on how the plant can respond and manipulate the defend mechanism in order to adapt the changes. The information provided from the research are beneficial in improving seed germination and plant growth rate.

My research career started in the field of food analysis, during which I learnt a range of analytical skills. My research interest focuses on answering the problems of utilizing natural antioxidants, as well as understand the role of protein interaction in food the food science and technology. It requires detail understanding of plants antioxidants and proteomics of the protein of interest which enables their specific functions. Extraction, characterization and measurement of the compound and activities and capabilities are crucial in the research as they involved the isolation of metabolites from plant tissue for their identification and the development of assays for their quantification. Therefore laboratory validation of the antioxidants or protein response to various storage parameters has expanded greatly due to the development of high-throughput experimental methodologies. I have also developed interests in ultrasonic spray drying technique that could extract antioxidant at low temperature without the use of organic solvents.

FIELD
Plant Biotechnology

EXPERTISE
Plant molecular and signalling

SPECIALIZATION
Seed germination, Plant signalling

PROFESSIONAL MEMBERSHIP
- Society of Experimental Biology

Food Science and Technology

Food biochemistry and biophysics

Food Antioxidants, Protein-ligand interaction

- Malaysian Institute of Food Technology
- Malaysian Nutrition Society
- Malaysian Society for Biochemistry and Molecular Biology
- Persatuan Sains Analisis Malaysia (ANALIS)

NETWORKING & RESEARCH COLLABORATION
- University of Nottingham, UK
- Universiti Putra Malaysia
- Universiti Malaysia Sabah
- Universitas Padjajaran, Indonesia

PUBLICATION
- Scopus ID : 57196034694
- Researchgate : Iffah Hazirah M.N.
- Google Scholar :

- Scopus ID : 6506374072
- Researchgate : Khairi Zainol
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B.Tech, MSc. (USM)

PhD. (Nottingham)

My research interest is generally on food processing and technology. I am focusing on chocolate crystallization behaviour as affected by a lipid based natural surfactant. The use of synthetic surfactant in chocolate has rising issue among consumers due to the use of E numbers on the chocolate packaging. This research required a fully understanding on the properties of surfactant when reacting at the interfaces of sugar and oil in chocolate. Factors such as temperature of the lipid extraction and chocolate processing are of considerations when conducting this study to understand the behaviour of the surfactant. Further effect such as the rheological properties of chocolate, lipid crystallization and bloom are among analysis that need to be carried out. Besides, I also interested in other studies such as dried honey as sugar replacer to be used in cookies and chocolate. The use of dried honey as sugar replacer in chocolate would affect the properties of chocolate produced including the crystallization, the rheology, texture and sensory properties. Before involving in the aforementioned studies, I was involved fish protein and hydrolysates. I had developed a fish hydrolysate fish processing waste such as bones, skins and scales. The hydrolysate of the processing waste has been developed to be used as potential food flavour in soup.

Food Technology

Food Processing and Biomaterials

Food processing, Lipid crystallization, Chocolate rheology

- The University of Nottingham, UK

- Scopus ID : 56568253900
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BSc., MSc.(UPM)

PhD. (Strathclyde)

My research interest is focused on the food microbiology and food safety related to the food services, food fermentation and innovative food products. When looking at the past, my PhD research on "Inactivation and photoreactivation of *Listeria monocytogenes* using different wavelengths" had taught me working with multi-disciplinary research (microbiology, physics and engineering). Although there is limited facilities to continue my PhD studies, I manage to do collaboration with UTM on using Nd.YAG laser and its harmonic to inactivate the growth of *Escherichia coli* and *Listeria monocytogenes*. Besides that, my research in food microbiology and food safety research involved collaboration with USIM, UTM, UNISEL, UNIMAP, UniSZA, UPM and MARDI. The objective of my research is to understand the role and functions of Lactic Acid Bacteria (LAB) as probiotics, fermentation, food preservation and biocontrol in agriculture. I am also involved in the research on food quality and shelf life of innovative food products and addressing the current microbiological assessment in ready-to-eat foods and food contact surfaces. I am the member of Special Interest Group (SIG) in the research of Apis-Meliponine UMT, where I focused on isolation of lactic acid bacteria from stingless bee honey and by products, and understanding the bioactivity of metabolites produced by LAB. Other research interests I have explored in the past few years were on social community engagement and empowerment through social innovation.

Food Science

Food Microbiology & Safety

Lactic Acid Bacteria, Food Fermentation, Food Safety

- Life Member of the Malaysian Society for Microbiology (Since 2014)
- Life Member of the Malaysian Institute of Food Technology (Since 2017)
- Life Member of the Malaysian Society for Lactic Acid Bacteria (Since 2018)
- Member of the Malaysia Healthcare Foodservice Association (Since 2012)

- Universiti Sains Islam Malaysia
- Universiti Selangor (UNISEL)
- Universiti Teknologi Malaysia
- Malaysian Agricultural Research and Development Institute (MARDI)

- Scopus ID : 26422211800
- Researchgate : Mohd_Lani
- Google Scholar : Mohd Nizam Lani

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc, PhD. (UPM)

BSc. (UPM) | MSc. (UiTM) | PhD. (UK)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is on plant pathology, the interactions of plant to pathogen invasion through the physiological and biochemical responds. The responds of plant toward pathogen infection is complex, the detailed understanding of plant physiology and biology, soil science, botany, microbiology and plant defence mechanisms is required. Biological control of plant disease is getting more attention due to the toxicity residual of chemical pesticide. The application of plant growth-promoting microorganism (PGPM), agro-waste compost and silicon (Si) are focused in our research to enhance the plant resistance against pathogen infection and also as an alternative in disease management. The precision in application and the mechanism of reaction are the main emphases in our research. Besides, the use of agro-waste compost and liming material to improve the soil and plant health is also explored as a comprehensive approach in plant disease management. The collaboration from the industry reflexed the significance of the study.

My area of specialization are involving investigation on under-utilized fish species and fishery by-products on the nutritional quality of low-value fish including production and characterization of alternative gelatin and collagen from fish skin, bone and frame and their used in food; investigation on the effect of bioactive peptides and proteins from value added product of under-utilized fish species and fishery by-products on nutritional and functional properties of food; and development of biodegradable films extracted from alternative gelatin and collagen. This research will reduce the environmental problems caused by non-degradable plastic food packaging by producing the biodegradable food packaging films from renewable sources. In addition to that, my study also exploring the changes on physico-chemical properties of Malaysia honey as affected by food processing. The outcomes of my research has been presented and published in many papers on alternative gelatin production, bioactive peptide from food protein sources, food gel rheology, protein-protein interaction, and biodegradable gelatin film at various international and national refereed journals, symposiums and conferences. Recently I had won Gold Award in British Invention Show, in London. I had invented four products and received 2 Gold and 2 Silver Awards for International Innovation & Technology Exhibition such as International Invention, Innovation & Technology Exhibition (ITEX) in ITEX 2005; 2013; 2014 and 2015 respectively. Besides, I am also received 1 Gold Award in 2012, 3 Gold Awards in 2013, 1 Gold Award in 2014 and 1 Bronze Award in 2015 for my research at university level for Inovasi@UMT. In 2017, I received 2 Bronze model for Minggu Penyelidikan dan Inovasi '17 and also 2 awards for Best Poster Presentation in my research at National (2004) and International (2013) level.

FIELD	Agriculture	Food Science
EXPERTISE	Agricultural Science	Food Biochemistry
SPECIALIZATION	Plant Pathology, Biological Control, Plant Growth-promoting Microorganism, Biological Composting	Alternative gelatin/collagen, Biodegradable films, Bioactive peptide, Honey characterization

PROFESSIONAL MEMBERSHIP

- The International Society for Silicon
- American Chemical Society
- Malaysia Board of Technologists (MBOT)
- The Malaysian Institute Food and Technology

NETWORKING & RESEARCH COLLABORATION

- Universiti Putra Malaysia
- University De Bretagne-SUD, France
- Khon Kaen University, Thailand
- Malaysian Agricultural Research and Development Institute (MARDI)
- Humibox (M) Sdn. Bhd. Malaysia
- University of Surrey, United Kingdom
- Universiti Kuala Lumpur (MICET), Melaka
- Universiti Sains Malaysia
- Universiti Putra Malaysia

PUBLICATION

- Scopus ID :
- Researchgate : Ng Lee Chuen
- Orcid ID : orcid.org/0000-0001-8830-1649
- Scopus ID : 56426583500
- Orcid ID : 000 0003 0904 1039
- Research ID : C-4483-2018
- Researchgate : Norizah_Sarbon

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BSc. (UPM)

MSc., PhD. (Surrey)

My research interest is mainly consumer behaviour in food businesses involving food service and food product businesses. Customer satisfaction, perceived quality, perceived value, desires congruence and behaviour intentions are among scopes of consumer behaviour which have been researched by far in different types of restaurants, hotels and hospitals. Interaction between those variables have been looked closely to comprehend consumer behaviour in the food service establishment in precise. As time passes, my research has been expanded and investigation on other possible determinants of consumer behavioural intentions are carried out. Other scopes such as social media, usage of technology, advertisements and customer retention programs are incorporated into the research framework, both in food service operations as well as food product businesses. Quite recent, I have ventured into food safety research through surveys looking into perspective of food consumers and food handlers. Surveys are conducted focusing into the measurement of consumers and food handlers' knowledge and attitudes towards food safety, food handlers' practice of food safety as well as consumers' intention to purchase food based on observation towards food handlers' food safety practices. Relationship between food handlers' knowledge and attitude of food safety towards their practice of good hygiene are investigated. In addition, effect of consumers' knowledge and attitude on their intention to purchase food after observing food handlers' hygiene practices have also become my research interest.

Food Science
Food Service
Consumer Behaviour in Foodservice, Food Safety in Foodservice

- Malaysian Institute of Food Technology
- Universiti Putra Malaysia

- Scopus ID : 57196034699
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BSc., MSc. (UNIMAS)

PhD. (USM)

Plant disease is an important field in plant pathology that plays a significant role in food safety and security. My research interest was focus on isolation, identification and phylogenetic study of fungal species on agriculture crops. This study help a better understanding on the factors affecting coevolution of pathogenic fungi and their host plants, and provide molecular marker for distinguish closely related pathogens. Identification of pathogenic fungal pathogen on the host plant was also studied in order to develop a biological control agent against fungal pathogens. For this purpose, techniques involved epidemiology, etiology and control methods of important plant diseases were also studied. Some agriculture products may not be safe to eat due to inherited qualities but some are due to production of mycotoxins which play a role in fungal virulence that also identified as carcinogens. Extension from this, my past study also involved in food safety related to mycotoxins contamination on crops which is aim to reduce or eliminating mycotoxins production in agriculture products. Recently, my research has been exploited the potential of several plant extracts to control fungi decay and prolong the storage life of fruits and vegetables. Since pest and fungal attack can be occurred as early as planting stage, possible benefits of silicon nutrients on several fruit crops and vegetables was also studied in terms of plant growth and development which primarily aim to increase plant resistance against fungal infection and environmental stress.

Plant Pathology
Plant Disease
Fungal Characterization, Plant Disease Control, Mycotoxin

- Malaysian Society of Plant Physiology

- Mie University, Mie Japan
- Universiti Sains Malaysia

- Scopus ID : 56949959900
- Researchgate : Nurul faziha Ibrahim
- Google Scholar : Nurul Faziha Ibrahim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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NOOR SALIHAH ZAKARIA
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EDUCATION

BSc. Hons (UM)
MSc. (UKM)
PhD. (Sydney)

B.Dietetics (IIUM)
PhD. (UniSZA)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest in developing crops cultivars that increase tolerances to abiotic and biotic factor without compromise the yield factor. This field of research required detail understanding of genetic diversity, physiology mechanism and application of plant breeding technique for crop improvement. Development of crop improvement is necessary in response to climate changes that affects a variety of factors associated with drought and increasing salinity especially in coastal area soil. Rice is one of the main crops that I focus on without compromise the other horticultural crops. There are two strategies that I look forward to overcome food security issue in Malaysia; Which are genetic solution and agronomic solution. Plant breeder should maximize the tools and diversity that we have and we share with other countries for the sake of food sustainability. Collaboration and team work is my main strategy to make a difference in food security issue. My past research experienced that I have explored are double haploid lines production, microspore culture, crossing and selection genotypes in multi environment trials. These past research experienced would be benefits for future research development regards food security issue. The latest research that I involve are; (1) Understanding roles of NAC transcription factors in the regulation of salt stress condition in Malaysian Rice Cultivar, (2) Nutritional quality and variaetal improvement of Cucurbitacious vegetable crops through biofortification and reciprocal breeding.

My research interest is focused on cancer outcomes, with special emphasis on maintaining good health and wellbeing of cancer survivors. This field of research has provided important insights into the effects of cancer and cancer therapies on cancer survivorship, in particular related to diet, weight control, use of complementary/ alternative therapies (CAM) and their impact on survivors' quality of life. Considering rapid development of variety new technologies as a new resource in empowering survivors, my research also concentrated on examining the potential use of mobile health technologies to deliver health behaviour interventions as well as improve survivors' self-management of cancer symptoms and cancer treatment side effects. After completing active cancer treatment, surveillance for recurrence, treatment of long-term and late effects of cancer, as well as general primary and preventive care such as care for comorbid conditions were also among the efforts done for tracking the needs and health of the cancer survivors. Other research interests being explored was public health nutrition, an area of concentration focusing on the promotion of good health through nutrition and primary prevention of nutrition related illness in the population. In summary, there is rightfully a great deal of optimism about an emerging area of survivorship research aiming at improving support for cancer survivors. Hopefully, in parallel with these advances, we can continue to make great strides toward ensuring that being a cancer survivor does not entail having to trade one life-threatening illness for another or sacrifice one's quality of life.

FIELD
Agriculture

EXPERTISE
Plant Breeding & Genetics

SPECIALIZATION
Plant Breeding in cereals, Microspore culture, Doubled haploid

FIELD
Nutrition

EXPERTISE
Nutrition & Dietetics

SPECIALIZATION
Nutrition in cancer care, Cancer survivorship, Public health nutrition

PROFESSIONAL MEMBERSHIP
- Persatuan Genetik Malaysia (https://www.pgm-my.org/)
- Malaysian Dietitians' Association

NETWORKING & RESEARCH COLLABORATION
- Malaysian Agricultural Research and Development Institute, Malaysia
- Universiti Sultan Zainal Abidin (UNISZA)
- University of Malaya
- The University of Sydney
- Prince of Songkla University, Thailand

PUBLICATION
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- Researcher ID : I-1663-2018
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BSc. (Hons), MSc. (USM)

PhD. (Hertfordshire)

I am a plant pathologist with expertise in the area of fungal pathology and plant disease control. My teaching specialisms include plant pathology and crop protection. I had developed my interest in plant diseases when I pursued MSc, studying on *Fusarium* species on the tropical plant diseases. For my PhD, I decided to work on a larger and more open question, and joined the CEP group (Crop and Environmental Protection Research Group) in 2011 in Bruce Fitt's lab who leads the group at University of Hertfordshire to study on effects of host resistance and weather conditions in the development of disease epidemics. I had spending most of my time in the autumn and summer at the field in Rothamsted Research, Harpenden and several other field sites in the UK which I found those experience provide an ideal opportunity to integrate my research into undergraduate teaching. Now, I work with silicon group to understand silicon and biotic stress in suppressing plant diseases. I also enjoy being in the island especially Chagar Hutang, Redang Island where I dedicate myself in helping the conservation work as my appreciation for turtle. My interest of *Fusarium* expands by looking at the infection of this soil-borne fungus in the sea turtle egg chambers that may threaten this precious endangered species. I am passionate about microbiology and I welcome any enquiries from external organizations, NGOs, schools especially in giving talks or seminars on plant pathology work or turtle.

Microbiology

Plant Pathology

Pathogenic fungi, Disease diagnosis, Plant disease control

- Malaysian Society for Microbiology (MSM)
- The British Society of Plant Pathology (BSPP)
- The International Society for Silicon in Agriculture and Related Disciplines (ISSAG)
- International Sea Turtle Society (ISTS)

- Universiti Sains Malaysia, Penang
- Universiti Putra Malaysia, Serdang
- University of Hertfordshire, UK
- University National Sun Yat-Sen, Taiwan
- SIBEN Enterprise, Kaohsiung City, Taiwan
- Sarawak Forestry Department (SFC)

- Scopus ID : 26531736100
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BSc. & MSc. (USM)

PhD. (Lincoln)

My research interest is focused on the epidemiology of the fungal plant disease in various ecological systems. This field of research required detail understanding of fungal pathogen biology, host plant physiology and their specific interaction in developing disease symptom. Development of sustainable control strategies in response to supress the disease infection in cultivation area is very species-specific. Conducting this research in the real field are cumbersome due to many un-control variable in the surrounding such as climate changes and pollution. The laboratory validation using molecular methods has expanded greatly due to the reliability in precisely identify the fungal pathogen species. This accurate species identification is the keys to a greater understanding of the characteristic of the pathogen and their mode of infection on the host plant which in return will able to construct a robust control strategies. I am passionate in translating my research finding into applicable method for farmers to overcome the crop losses due to disease infection. At this present, I've expended my research interest into several vegetables crops such as chili, brinjal, tomato and cucumber.

Plant pathology

Plant fungal diseases

Epidemiology, Fungal Species Identification, Plant Disease Management

- Australasian of Plant Pathology Society
- New Zealand of Plant Pathology Society
- Malaysian Society of Plant Physiology

- Mie University, Japan
- Lincoln University, New Zealand
- Foundation for Arable Research (FAR), New Zealand
- Universiti Sains Malaysia

- Scopus ID : 57196036886
- Researchgate : Suhaizan Lob
- Google Scholar : S Lob

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EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. Hon. (UKM)
MSc. (Reading)
PhD. (Otago)

Bsc. Hons, MSc. (UiTM)
PhD. (Surrey)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research area is on food chemistry and analysis, focusing on fats and oils especially on fish oil. Fish oil is a good source of omega-3 fatty acids that are beneficial to human health. It has been incorporated into food products and marketed as functional foods and supplementation products. However, these products are more susceptible to oxidation due to the high amount of polyunsaturated fatty acids in the fish oil. Therefore, my research are more on the physicochemical characterisation and oxidative stability of fish oils. Other samples of my interest are rice bran oil and coffee oil. Gas chromatography (GC), High Performance Liquid Chromatography (HPLC), Differential Scanning Calorimetry (DSC), Thermogravimetric Analyzer (TGA) and Nuclear Magnetic Resonance (NMR) are among the instruments that I used in my research.

I am also interested in the nutritional composition of fish and other seafood, and their processing by-products such as head, bones and offal. The bioactive compounds from the fishery by-products have potential to be utilised as ingredients for food products. I am also working on the effect of cooking methods on nutritional quality and oxidative stability of fish and vegetables. The information obtained will benefit consumers in their domestic food preparation. Other topic of my interest is on the bioactive compounds in fruit waste and their application in food products. My other interest is also on the relationship between nutrition and public health especially on women and university students.

My research interest focuses on consumer behaviour linked to variety-seeking and risk perception while on holiday in cross-cultural environments. I also carried out studies on intercultural service encounters and hygiene-related behaviours within a hospitality or tourism setting of both the consumers and those working in the restaurant sectors.

I am passionate about sustaining and promoting Malaysian heritage foods. Usually this is achieved through the social-science lens by examining food culture and through the food science approach of merging local or traditional ingredients or methods to develop new products. I came from a culinary and food science background, these knowledge enabled me to be directly involved with new products development, mainly hydrocolloids-related. I currently hold a Malaysian product trademark for Tubbies Ice Cream, Fresh Taste. Together, my team won a Silver medal during the International Invention and Innovation Exhibition (ITEX) and a Gold medal during the University Malaysia Terengganu Innovation Day 2014 for our ice cream product which combined traditional fermented cassava and glutinous rice dishes. I am also a member of the Association of Tourism and Leisure Education (ATLAS), a consultant to Gerson Lehrman Group (GLG) and a member of National Restaurant Association (NRA).

FIELD
Food Science and Nutrition

EXPERTISE
Food Chemistry (Fats and Oils), Nutrition

SPECIALIZATION
Lipid chemistry, Lipid oxidation, Food analysis, Fish oil

FIELD
Food service

EXPERTISE
Gastronomy and hospitality

SPECIALIZATION
Food choice, variety-seek, Risk perception, Hygiene practice, Service encounter

PROFESSIONAL MEMBERSHIP

- American Oil Chemists' Society (AOCS)
- Nutrition Society of Malaysia
- Malaysian Fisheries Society
- Asian Society of Ichthyologists

- Association of Tourism and Leisure Education and Research (ATLAS Europe)
- Gerson Lehrman Group (GLG) Usa
- National Restaurant Association (NRA) Usa

NETWORKING & RESEARCH COLLABORATION

- University of Otago, New Zealand
- Fisheries Research Institute, Malaysia
- Institute of Medical Research, Malaysia

- University of Surrey, UK
- University of Greenwich, UK
- Universiti Teknologi MARA, Malaysia

PUBLICATION

- Scopus ID : 55668688700
- Researchgate : Tengku Rozaina Tengku Mohamad
- Google Scholar : Tengku Rozaina Tengku Mohamad

- Scopus ID : Shukri, W.H.Z
- Researchgate : Wan Zainal Shukri
- Google scholar : Dr. Wan Hafiz Zainal Shukri

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BSc. MSc. (UKM)

PhD. (Nottingham)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research is basically related to identifying, characterizing, altering starch (physically or chemically) and studying the effects of starch used in various food products, either as a major or additional ingredient in food. In extension to that, my research also involves the production of new ingredients or studying the use of ingredients and their effects on the physical properties and acceptance of the food such as food coating and natural food colorant. Additionally, my research also involves the use of underutilized materials in the production of value-added food products. New or modified food products will be characterized by their physicochemical properties, acceptability and assessed for storage quality to estimate their shelf life. In addition, I am also collaborating with other researchers and researching local produce such as roselle, melon and fisheries-based products. Last but not least, my research also involves the production of foods with prebiotics and probiotics characteristics for the production of healthier and nutritious food for the community.

FIELD EXPERTISE SPECIALIZATION

Food Science
Starch modification, Food Processing, Product Development
Starch processing, Product Development

PROFESSIONAL MEMBERSHIP

- Malaysian Society of Applied Biology

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID : 56676382700
- Researchgate : Yusnita Hamzah
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BSc., MSc. (UPM)

PhD. (Nottingham)

There is an increasing recognition that nutrients have the capacity to directly regulate metabolic processes by impacting the expression of enzymes, receptors, hormones and other proteins. As such, they can impact on growth, ageing and susceptibility to non-communicable diseases. My research interest is focused on the structure-function relationship aspect of macro- and micro-nutrients with a focus on antioxidant, antihypertensive, hypolipidemic and vasodilation capacities. A greater understanding of such nutrient: gene interactions should lead to improved nutritional advice and pharmacological interventions to maintain lifelong health and prevent, or delay, the onset of chronic diseases commonly associated with the aging process. My current projects are 'Action Mechanisms of *Morinda citrifolia* (Mengkudu) catechin, with a focus on antihypertensive, hypolipidemic and vasodilation capacities' and 'Developing a healthy eating model among children based on web-based intervention in Setiu Wetland's residents'

Food Science and Technology
Nutritional Sciences
Antioxidant, Polyphenols

- Nutrition Society of Malaysia

- Universiti Teknologi MARA
- Universiti Putra Malaysia
- Bogor Agricultural University

- Scopus ID : 8426494200
- Researchgate : Zamzahaila Mohd Zin
- Google Scholar : Zamzahaila Mohd Zin, PhD

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EDUCATION

WAN ZAWIAH W. ABDULLAH
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EDUCATION

BSc. (UPM) MSc. (UKM) PhD. (Reading)

BSc. MSc.(UPM) BSc., MSc. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the contribution of general phenotype to survival under mild and severe stress and how these are linked with genetic and functional of rpoS gene and RpoS status respectively in a representative of pathogenic bacteria associated with foodborne illness. Other research interests I have explored in the past few years were the strain differences established in broth systems can also apply to survival in food systems.

My research interest is focused on the farm management and agricultural economic. I am the new lecturer who are passionate in academia. During my PhD study, I was involved with research on the competitiveness of paddy farming in Peninsular Malaysia.This field of research required detail understanding of crop farming practice especially in Malaysia. Correct management practice at farm level will give higher profit to farmer and also beneficial for consumer. Agriculture is very important sector in Malaysia, however this field are not familiar for young people due to the poverty issues among farmers. Research on agricultural economics is very important as well as how to involved young people to involve in this field.

FIELD	Food Microbiology	Agriculture
EXPERTISE	Food Safety and Quality, Food Science and Technology	Plant Science
SPECIALIZATION	Microbial Food Safety, Product Development	Farm Management, Agricultural Economic

PROFESSIONAL MEMBERSHIP

- Society of Applied Microbiology, UK
- Malaysian Society of Microbiology

- Malaysian Society of Plant Physiology

NETWORKING & RESEARCH COLLABORATION

- Universiti Putra Malaysia (UPM)

PUBLICATION

- Scopus ID : 57196033972/56488380800
- Researchgate :
- Google Scholar :

- Scopus ID : 57196030700
- Researchgate : Dayah Che Soh

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BSc. MSc. (UKM)

PhD. (United Kingdom)

My research interest is focused on retention and release of flavour compounds in food. This field of research required detail understanding on behaviours of an interaction between food matrices such as carbohydrates and flavour compounds for suitable flavour retention and release during processing and eating. Some factors affecting retention and release of flavour compounds in food matrices such as physicochemical properties of flavour compounds, type of food matrices and their concentration. Food matrix components can bind, entrap or encapsulate volatile flavour compounds which may reduce the rate of flavour release and affect the flavour intensity and quality of foods. This influences the consumer overall acceptance. Other research interests I have explored in the past few years were on extraction flavour compound from plants such as Pandan leaf and lemongrass stalk and use of the compounds to enhance rice flavour. The effect of oyster mushroom powder addition on the physicochemical properties and sensory acceptability of food products were also investigated.

Food Science
Flavour Science
Food Chemical Analysis, Sensory evaluation

- Malaysian Applied Biology

- Universiti Kebangsaan Malaysia

- Scopus ID : 57193850961
- Researchgate :
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BSc. (UPM)

MSc. (UKM)

PhD. (Adelaide)

My research interest is focused on the bioactive compound which most naturally exist in plant and industrial waste. Most of these compounds specifically antioxidant normally related with antimicrobial properties. Both of these properties are really beneficial to develop natural preservative in food products. Current preservative used in food industry are mostly synthetic and potential to have side effect to health. Most of the beneficial compounds are reported higher in waste compared to edible flesh. In addition to that, the level of the properties are closely related with the intensity of pigments. That's lead to my current research which mostly studies on the application of the selected plant compound into other products. The potential usage of most of the waste have been successfully tested into other products to delay the spoilage and also reduce post harvest loss. Besides, the potential of the selected waste have been tested beneficial as animal feed and also protect the plant from disease. However, most of the natural active compound are not stable in uncontrolled condition. Conducting this research and its application are complicated due to many uncontrolled factors in the surrounding. Therefore, serial laboratory work on the stability study on these active compounds is currently done. The current research also done to explore the relation between antioxidant and antimicrobial properties with the degradation of protein. All of these approach are expected could help a lot of stakeholders especially the local community.

Food Science and Technology
Phytochemitsry, Food Microbiology, Postharvest Technology
Antioxidant, Antimicrobiology

- Malaysian Natural Product Society
- Malaysian Society for Microbiology
- Organization for Women in Science for the Developing World

- The University of Adelaide
- Universiti Kebangsaan Malaysia
- Universite de Lorraine
- Pusat Tunas Stevia Jabi

- Scopus ID : 56817153500
- Researchgate : Fauziah Ahmad
- Google Scholar : Ahmad FT

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. MSc. (UPM)
PhD. (Queensland)

BSc. (UMS)
MLA. (UPM)
PhD. (Sheffield)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the pre- and postharvest physiology of ornamentals in response to pre- and postharvest treatment. My main focus is on local/tropical flowers that are abundant but underutilised. Research on tropical flowers in Malaysia are lack which most research focus only on growing techniques. Hence monitoring the growth start from seed sowing, growth cycle and also potential for commercialisation of the flowers are a big challenge.

My research interest centre around the plant growth and development as well as adaptation to environmental condition such as limited planting spaces, compacted soil, waterlogging condition and root injury. I am also interested in study the effect of deficit irrigation on plant growth and development of ornamental plants especially. Deficit irrigation practices was used in agriculture field as part of precision irrigation to overcome the declining in fresh water resources all over the world as agriculture utilized 70% of world fresh water for irrigation. Apart from that, I am also interested in studying on plant survival on green façade as a climate control especially in urban area and also plants utilization for natural wastewater treatment.

FIELD
Horticulture

EXPERTISE
Floriculture

SPECIALIZATION
Tropical flower pre-harvest and postharvest physiology

PROFESSIONAL MEMBERSHIP
- Malaysian Society of Plant Physiology

NETWORKING & RESEARCH COLLABORATION
- The University of Queensland, Australia
- Chiang Mai University, Thailand

PUBLICATION
- Scopus ID : 56418466700
- Researchgate : Husni H. Mohd Rafdi
- Google Scholar :

FIELD
Landscape

EXPERTISE
Landscape Horticulture

SPECIALIZATION
Plant Stress, Root to Shoot Communication, Plant Adaptation to Urban Environment

PROFESSIONAL MEMBERSHIP
- International Society for Horticultural Science
- Malaysia Society of Plant Physiology
- Institute of Landscape Architect Malaysia

NETWORKING & RESEARCH COLLABORATION
- University of Sheffield, United Kingdom
- Universiti Kebangsaan Malaysia

PUBLICATION
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BSc., MSc. (USM)

PhD. (UNE)

My research interest is focused on worm (nematode, trematode, cestode) infection in livestock. In Malaysia, the weather is very suitable for successful development of nematodes (*Haemonchus contortus* and *Trichostrongylus colubriformis*) on pastures. Nematode infections affect animal production by causing morbidity and heavy infection can lead to mortality of animals. With knowledge and understanding on the ecology of the nematodes, I offer farmers advices on the best management to control nematode infection in livestock. Another important part of my research is the study on nematode anthelmintic resistance in sheep and goats. The excessive usage of anthelmintic to control worms caused selection for resistant nematodes. Thus, giving anthelmintics to animals harbouring resistant nematodes can cause losses to farmers as they are not effective. I am conducting studies on farms to determine the resistance status of nematodes towards different anthelmintics, and relating the resistance status to the management of farms. With this study farmers will be able to decide on effective anthelmintics to control nematodes, and they can improve worm control strategies at the same time delaying resistance. Another research that I am doing right now is studying liver fluke infection in cattle and buffaloes. Liver fluke infection can cause liver condemnation at abattoirs. I am currently looking at the severity of liver fluke infection in cattle and buffaloes in Kuala Terengganu by examining condemned livers. Future research will include the study of the intermediate host, freshwater snails (*Lymnaea rubiginosa*) around grazing pastures. Besides study of worm infection in livestock, I am also interested to look at parasite (endo- and ectoparasite) infection in other animals such as cats, dogs, rats and wildlife animals.

Parasitology
Animal Parasitology
Helminthology

- Word Association for the Advancement of Veterinary Parasitology
- Malaysian Society of Parasitology and Tropical Medicine

- Veterinary Research Institute, Ipoh
- Universiti Sains Malaysia
- Universiti Malaya

- Scopus ID : 6507491555
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BSc. MSc. (UKM)

PhD. (UPM)

I have been focusing my research towards understanding complex behaviours of functional food emulsion system having nutraceutical properties, in addition to desirable technological properties. Oil-in-water emulsion is a complex colloidal system with fine oil droplets dispersed in the aqueous continuous phase, stabilized by two important hydrocolloids i.e. protein and polysaccharide. Considering their role in the adjustment of rheology and stability of the emulsion-based foods, my studies have been employing different hydrocolloids either singly or in combination yet there are still rooms for investigation when it came to their complex interactions within the system. In this respect, I found that the use of high order statistical design with non-linear regression modelling is able to give details on interaction effects occurred among the emulsion components. My works also search for novel edible oils and complex polysaccharides (gums and mucilage) to be incorporated in the emulsion aiming to value-add the system with nutraceutical properties. Some indigenous edible oils rich in bioactive compounds are being considered in my studies. Besides, alternative sources of gums/mucilage are also of my interest, in order to introduce them as bioactive ingredients in the system. To effectively design functional food emulsions that could meet the said characteristics, it is crucial for me to obtain more knowledge on how different function of each component is affected by the presence of other components (or their interaction) and I always believe that this research specialization would contribute a brighter prospective to our food and nutraceutical industries.

Food Chemistry
Oils, Hydrocolloids and Emulsion System
Oil/Mucilage extraction, Emulsion Rheology, Emulsion Stability, Hydrocolloids Interaction

- Malaysian Applied Biology Society
- Nutrition Society of Malaysia

- Universiti Sains Malaysia

- Scopus ID : 23668584700
- Google Scholar : Nor Hayati Ibrahim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. MSc. (UPM)
PhD. (Murdoch)

Dip. (UITM)
BSc., MSc., PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research goal is to understand the management and utilization of crop genetic resources for future agriculture and food security. The main focus of my study are agronomical and molecular insight of selected crop in Malaysia. We are working on understanding underutilised fruits, herbs and major staple food in Malaysia which is rice. There are several aspects including crop physiology and molecular mechanisms, nutrient composition and postharvest diseases are the major interest. Therefore we are encouraging collaborations with other research partners from national and international bodies to work as a team for the same goal. We also strongly encourage postgraduate and postdoc applicants to explore the fascinating of crop sciences world together.

Food safety is my research interest that focused on food microbiology, food sanitation and food safety regulations. This research area covers risk assessment of microbiological hazards in foods, including foodborne pathogens and enteric viruses. Conventional and new technique approaches are used in detecting of microbiological hazards. Quantitative and qualitative models to food safety risk analysis is conducted in evaluating of food products throughout food supply chain concept. A research member of the Risk Assessment team on *Vibrio parahaemolyticus* in Tiger prawn in Malaysia (under the Ministry of Health, Malaysia to support the export of Tiger prawn due to rejection by certain European Union member countries). A study on Emerging Food Safety Problems in Aquaculture is also included in my research area. Microbiological profile of Ready-To-Eat food and other food products also discovered in my study. Understanding of microbiology and food-borne illnesses, especially in the investigation of food poisoning and outbreaks is required a fast and reliable results. Currently, I also involved in Horseshoe Crab Research Group (developing of feeding pallets) and Stingless Bee Honey Research Group (microbiological contamination of Stingless Bee Honey). I also lead a research grant (microbiological contamination of peel blood cockles) and as co-researcher for the fermented fish product. Other research interests are the development and validation studies on methods for the detection of pathogens, developed and implemented food safety training, food safety audits, food safety and sanitation standards, Accreditation of Laboratory Testing for microbiology and implementation of GMP and HACCP systems in the food industry. I also become a consultant for various food industry, especially Small Medium Enterprise (SME). I am committed to apply the results of the research in the real world system.

FIELD
Crop Sciences

EXPERTISE
Crop molecular biology

SPECIALIZATION
Crop genetic resources, Agronomy

PROFESSIONAL MEMBERSHIP
- Genetics Society of Malaysia

NETWORKING & RESEARCH COLLABORATION
- CCDM, Curtin University Perth Australia
- Jember University Indonesia

PUBLICATION
- Scopus ID : 24528640100
- Researchgate : Ramisah M. Shah.
- Google Scholar : Ramisah M. Shah

FIELD
Food Science & Technology

EXPERTISE
Food Safety

SPECIALIZATION
Food Safety, Food Microbiology, Molecular Biology

PROFESSIONAL MEMBERSHIP
- Malaysian Institute of Food Technology

NETWORKING & RESEARCH COLLABORATION
- Ministry of Health Malaysia, Malaysia
- Universiti Putra Malaysia, Malaysia
- Universiti Malaya, Malaysia
- Universiti Teknologi MARA, Malaysia
- Universiti Malaysia Sarawak, Malaysia
- Universiti Sultan Mizan Zainal Abidin, Malaysia
- Universiti Selangor, Malaysia
- Universitas Andalas, Padang, Indonesia
- CVASU, Chittagong, Bangladesh
- Chiang Mai University, Chiang Mai, Thailand
- Prince of Songkla University, Songkla, Thailand

PUBLICATION
- Scopus ID : 37562105300
- Researchgate : Tuan Zainazor Tuan Chilek

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BSc. (Monash) | MSc. (UPM) | PhD. (Reading)

The focus of my research area is mainly focused on production of bioproducts from food waste that can be used as functional ingredients such as polyphenols. I also have initiated a research on producing a stabilised-anthocyanin derived from plants to be used as natural colourants. I am also interested in the separation processes particularly using surfactants as an alternative method.

Food Chemistry

Food Bioprocessing

Colloidal Gas Aphrons, Polyphenols, Food waste valorization

- FoodWaste.net Association
- Malaysian Society of Microbiology

- University of Reading, UK
- Federal University of Rio de Janeiro, Brazil

- Scopus ID : 57197761464
- ORCID ID : 0000-0002-1344-8109
- Researchgate : Nurmahani M. Maidin
- Google Scholar : Nurmahani Mohd Maidin

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BSc. MSc.(UKM) | PhD. (UPM)

My primary research interest focused on the development of smart packaging systems and nanotechnologies. In particular, smart packaging, microbiological assessment and physicochemical changes of raw or processed food products, food quality enhancement, rheological and textural properties of foods, particularly how process conditions affect structure and resulting properties, with the aim to maintain the sensory and improve in terms of food safety and shelf-life. Other research interests I have explored in the past few years were related to nanotechnology focused on producing and utilizing metal and food-derived nanoparticles for use in smart packaging materials and the use of nanoparticles/nanomaterials in food packaging applications. Applications of polymer processing techniques to food systems and development/use of bio-based plastics as alternatives to petroleum-based plastics.

Food Science/Food Technology

Food Security, Food Packaging

Smart packaging, Antimicrobial packaging, Shelf-life study, Nanotechnology

- European Federation of Food Science and Technology (EFFoST)

- University College Cork, Ireland
- McGill University, Canada
- Malaysian Agricultural Research and Development Institute (MARDI)
- University Teknologi MARA

- Scopus ID : 56523199000
- Researchgate : Azlin-Hasim, S.
- Google Scholar : Azlin-Hasim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

KHAIRIL SHAZMIN KAMARUDIN
Dr.

RAHIJAN ABDUL WAHAB
Dr.

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EDUCATION

BSc. MSc.(UKM)
PhD. (USM)

BSc. (JWU, USA)
MSc. (RGU, Aberdeen)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Good nutrition, physical activity, and a healthy body weight are essential parts of overall health and well-being. Together, these can help decrease risk of developing serious health conditions, such as high blood pressure, high cholesterol, diabetes, heart disease, stroke, and cancer. A healthful diet, regular physical activity, achieving and maintaining a healthy weight are vital to manage health conditions so they do not worsen over time. My research interest focused on nutrition and wellness to the communities which involve the aspect of physical activity, diet intakes and body type towards health status. It includes the use of anthropometry measurements, identifying body somatotype, determination of physical activity levels and nutritional status. This field of research required a strong understanding of human nutrition and nutrition assessment techniques.

My area of research interest is on food service industry, hospitality and tourism, broadly cover the areas of consumer behaviour. My current research focuses on the food choice motives, overall attitudes and purchase intentions towards fresh fabricated beef. The research is motivated by the consumer behaviour of certain particular food product. My current position is a Lecturer (contract) in food service for School of Food Science and Technology, University Malaysia Terengganu. My Professions are in hospitality and tourism industry. Extensive knowledge and good balance in industrial practices. Capable in providing on the job training for new recruits and subordinates with ten years of working experience in the hospitality industry. Specializes in event managements such as planning, coordinating and management international and cooperate functions in Harrison Conference Training Centre (which is one of most prestigious training centers in the USA at Providence, Rhode Island, USA). Developed different cultures in food service managements and adapt well to local culture and local language at Sheraton Tokyo Bay, Tokyo, Japan. Manager in Dome Café and TGI Friday's Restaurant Malaysia. Expert in food and beverage inventory, order planning, cost and quality control. Prepare branch / outlet operations and business reports to top managements. Responsible for managing staff and human resource matters such as planned staff schedules, monitoring overtime claims, staff disciplines, yearly appraisals and conducting interviews for new staff. Night Manager in Copthorne Hotel, Aberdeen Scotland, UK. Responsibilities deliver excellent customer service and maintain a high standard of customer managements, at all times.

FIELD
Community Nutrition

EXPERTISE
Nutrition and Physical Activity

SPECIALIZATION
Somatotype, Health and Wellness

Hospitality & Tourism Management

Food Service Management

Tourism Management, Restaurant and Kitchen Management, Event Management, Food and Beverage Management

PROFESSIONAL MEMBERSHIP
Nutrition Society of Malaysia

NETWORKING & RESEARCH COLLABORATION
Veterinary Research Institute, Ipoh
Universiti Sains Malaysia
Universiti Malaya

PUBLICATION

- Scopus ID : 57196031571
- Researchgate : Khairil Shazmin Kamarudin

- Scopus ID : 57196035102
- Researchgate : Rahijan Abdul Wahab
- Google Scholar : Rahijan Abdul

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BSc., MSc. (USM)

My research interest is on using genetic tools to improve aquaculture production particularly in developing and identifying candidate genes for traits of interest in aquaculture species. This is important considering that aquaculture is the most important source of fishery production after capture fisheries with contributions to world aquaculture production including finfish, molluscs and crustacean species. Among important culture species is *Macrobrachium rosenbergii*. It has been translocated from its natural habitats to other parts of the world and is the most widely use *Macrobrachium* species for commercial farming. The majority of broodstock used in aquaculture come from unimproved wild phenotypes. Thus, research on the application of genetic technologies, in particular candidate genes approach has the potential to increase aquaculture production further while avoiding the problem caused by inbreeding. Our current efforts are to identify the best possible stocks from Malaysian waters to be utilized in breeding programs. My current research also includes genetic connectivity and phylogenetic of marine invertebrates including giant clam in islands in Peninsular Malaysia.

Aquatic Biology
Population genetics and breeding
Invertebrate breeding, Genetic improvement

- Malaysian Genetic Society

- Abdul Hakeem College, India

- Scopus ID : 57201497170
- Researchgate : Norainy Mohd Husin
- Google Scholar : Norainy Mohd Husin

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BSc. (UKM)

PhD. (UPM)

His research work focuses on aquaculture nutrition with emphasizing in aquafeed formulation. He has been carrying out a few studies in that field and some of the findings has gain recognition and won research contest at national and international level. He is so passionate about recreational fishing activities and his commitment has been recognized by several parties. At the national level, he was appoint as a commentator for the Development and Restructuring of Marine Recreational Fishing Activities under Department of Fisheries Malaysia.

Fisheries and Aquaculture
Fish Nutrition, Recreational Fisheries
Social Science Studies

- Malaysia Nature Guides Association

- Jabatan Perikanan Malaysia
- Kementerian Pelancongan dan Kebudayaan Malaysia
- Malaysian Co-Curricular Council

- Scopus ID : 57202465294
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

Directory
of
eXperts

Cluster
of

OCEAN SCIENCE AND SUSTAINABLE ENVIRONMENT

NOOR AZHAR MOHAMED SHAZILI

Professor Emeritus Dr.

FADZILAH ADIBAH ABDUL MAJID

Professor Dr.

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EDUCATION

BSc. Applied Biology. (Hons) PhD.

BSc(Leeds)

MSc., PhD. (Birmingham)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the environmental toxicology of metals especially in the marine environment. The fields of study include the distribution of metals in the dissolved and particulate fractions as well within the various sediment fractions. Of special interest to me is the provenance of metals in the South China Sea, from their source in the rivers of peninsular Malaysia and their fate in the South China Sea. Thus much of my study has focused on the sediments. I have been using correlations (metal:metal ratios) between the metals in sediments as a means of identifying sources as well as discerning natural from anthropogenic origins. Recently our team has been using the relationships between rare earth elements (REEs) and with heavy metals to further clarify provenance. The study of lead isotope ratios, namely ^{206}Pb, ^{207}Pb and ^{208}Pb have also been useful with regards to lead pollution in Brunei Bay. Studies thus far covered the South China Sea, Brunei Bay and the major rivers of east coast peninsular Malaysia. Currently my students are working on the flux of heavy metals into the South China Sea from Kelantan, Dungun and Pahang Rivers collaborating with scientists from Tongji University, Shanghai, China. The geochemistry laboratory at INOS is equipped with an ICPMS, sediment digestion systems and mercury analyser while XRF and XRD measurements are carried out in collaboration with government laboratories.

Dr Fadzilah Adibah pioneering the commercial medical research of herbal and marine based health supplement, bridging the research activities to conform to industrial need and the regulatory requirement following the international standards. She leads the commercial research on herbal supplement for diabetes, arthritis and cancer. She is currently consulting on health products research and development to a bionexus status company, Proliv Life Sciences Sdn Bhd and research based company Naturemedic Laboratories Sdn Bhd for commercialization activities. Herbal supplement for diabetes named Aidecine™ (MAL15080016TC), Glicatrim™ (MAL20152498TCE/USFDA) and Synacinn™ (MAL) are the three most recently approved herbal supplements developed through university research and is going into commercialization exercise. She is a committee member of Cosmetics Safety Expert Committee (CoSEC) for National Pharmaceutical Control Bureau (NPCB), Ministry of Health, Malaysia since 2010. University based research needs an international platform for commercialization networking. Thus, she recently engages with non-profit organization PUGM (Malaysia Graduate Entrepreneurs Association) based in Kuala Lumpur to initiate networking with fellow graduate entrepreneurs from ASEAN countries and China. Her research leadership is strengthen by a team of 21 PhDs, 30 Masters degrees and more than 100 undergraduates. She published internationally and locally more than 150 papers with ranks (May 2016): 306 citations/H-index 8 (Google scholars), 191 citation/H-index 6 (Scopus). She is actively giving public lectures on functional foods and herbal health talks nationwide

FIELD

Marine Science

Biopharmaceutical Processing

EXPERTISE

Marine Geochemistry

Protein & Natural Products Processing, Preclinical & Clinical Study Design

SPECIALIZATION

Trace metals

Herbal Processing & Nutraceutical Products Development

PROFESSIONAL MEMBERSHIP

- Chartered Chemical Engineering, UK
- International Horticulture Science Society
- Malaysia Nature Product Society
- Cosmetic Scientific Expert Committee

NETWORKING & RESEARCH COLLABORATION

- School of Ocean and Earth Science, Tongji University, Shanghai, China
- East Carolina University, USA
- Mineral and Geoscience Department, Ipoh, Malaysia

- University College Dublin, UK
- Lambton College, Canada
- Salahaddin University, Iraq
- Helwar Medical College, Iraq
- Shahed University, Iran
- Dongguk University, South Korea
- Atlanta Foods Clinical Research Organization, Ireland
- Aurigine Discovery Tech Ltd, India

PUBLICATION

- Scopus ID : 55645675800
- ORCID ID : 0000-0002-8573-178X
- Researchgate : Noor Azhar
- Google Scholar : Noor Azhar Mohd Shazili

- Scopus ID : 57188975184
- Researchgate : Fadzilah Adibah Abdul Majid
- Google Scholar : Fadzilah Adibah Abdul Majid

SITI AZIZAH
MOHD NOR
Professor Dr.

TENGKU SIFZIZUL
TENGKU MUHAMMAD
Professor Dr.

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EDUCATION

BSc. (Newcastle) MSc. (Swansea) PhD. (Cardiff)

BSc., PhD. (Cardiff)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My area of interest is in molecular studies with emphasis on aquaculture and population genetics, mainly of aquatic organisms. Research projects have included investigation of biodiversity in an evolutionary context as well in aquaculture and conservation of freshwater and marine species for management and sustainable fisheries. I am also very interested in the phylogeography and phylogenetics of fishes in this biodiversity hotspot of Southeast Asia. On a regional scale I have completed several projects mainly on fishes to investigate how ancient river connectivity, geographical and anthropogenic signatures have shaped the genetic pattern of these organisms in the Sundaland (Malaysia, Indonesia, Borneo and Sumatra) and the Mekong river delta. This has been made possible through collaborative research with colleagues in Vietnam and Thailand. I also have a very keen interest in the global FishBOL initiative to identify all fishes. Currently, I am leading a DNA barcoding project of all commercially important marine fishes in Malaysia and initiating a metagenome approach to identify fish spawning areas. To date we have barcoded > 200 species of marine and freshwater fishes, bivalves, crustacean and echinoderms in the surrounding seas of Malaysia - Straits of Malacca, South China Sea, Sulu Sea and Sulawesi Sea. This DNA barcoding data has applications in food safety and security. I am a council member of the Asian Society of Ichthyologists and Treasurer of ASEAN-Fisheries Education Network (ASEAN-FEN). I am a technical committee member in the initiatives to designate Penang Hill and its Surrounds and the Sungai Merbok Permanent Mangrove Forest as a UNESCO Biosphere Reserve as well as Gunung Jerai as a National Geopark. These are international programmes for the conservation and management of sites of global prominence.

His lab focuses on deciphering the roles of transcription factors - members of peroxisome proliferator activated receptors (PPAR) and CCAAT/enhancer binding proteins (C/EBP) - in regulating the gene expression of important proteins that are responsible in the development of type II diabetes mellitus, atherosclerosis and acute phase response. In addition, he is interested in using molecular biology-based approach in developing target-based high-throughput screening platform to screen for potential hits from natural products against type II diabetes mellitus and atherosclerosis as well as cancers. Such molecular targets include PCSK9 and SR-B1 for atherosclerosis as well as PPARγ for type II diabetes mellitus. He also works on the elucidation of the molecular mechanisms of action of apoptotic cell death exerted by small molecules on cancer cells.

FIELD EXPERTISE SPECIALIZATION

Genetics
Molecular Genetics
Population Genetics, Molecular Ecology

Biotechnology
Molecular Biology
Gene Regulation, Drug Discovery

PROFESSIONAL MEMBERSHIP

- Asian Society of Ichthyologists (Board Member)
- ASEAN Fisheries and Education Network (Board Member)
- Malaysian Fisheries Society
- Genetics Society of Malaysia
- Malaysian Primatological Society

- International Atherosclerosis Society

NETWORKING & RESEARCH COLLABORATION

- University of Taiwan, Taiwan
- Florida National History Museum, USA
- Inland Fisheries Research and Development Institute, Cambodia
- University of Sydney
- University of Syiah Kuala, Acheh, Indonesia

- Griffith University, UK
- Cardiff University, UK
- SIMM, China

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar :

- Scopus ID : 6507176556
- Researchgate : Tengku Sifzizul Tengku Muhammad
- Google Scholar : Tengku Sifzizul Tengku Muhammad

WAN IZATUL ASMA
WAN TALAAT
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AIDY
M MUSLIM
Associate Prof. Dr.

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EDUCATION

LL.B Hons (IIUM)	MSc. & PhD. (UPM)
BSc. (Minnesota)	PhD. (Southampton)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on environmental governance, mainly into the governance of marine and coastal environment. My current lead projects are on implementing Coastal and Marine Spatial Planning (CMSP) along the whole coastal stretch and waters of Terengganu, and on the proposed national legislation on seabed and deep seabed mining. Apart from that, I also study into environmental governance at the national, regional and international levels especially on fisheries governance including IUU Fishing, and on the local knowledge in both the conservation of the environment as well as the associated use of biological resources. My works in environmental governance involve the interface between science and policy by translating scientific data into actionable plans and strategies by policy makers. As a member to the IUCN World Commission on Environmental Law, I am also involved in translating the IUCN Red List process into national conservation laws and policies to protect threatened species from extinction. Due to my works in environmental governance, I work closely with many government agencies like the Department of Mineral and Geosciences, PlanMalaysia, Department of Maritime Affairs of MOFA, Department of Fisheries, state agencies as well as the local authorities, among others.

I started my career as a researcher at the Malaysia Centre for Remote Sensing under the Malaysian Ministry of Science Technology and Environment (MOSTE) in 1995. During this period, I was involved in various national committee looking at project development, strategic planning and representing Malaysian Government in various international meetings. My research during this period focused on national projects especially in remote sensing and space technologies. Joining the Institute of Oceanography and Environment, Universiti Malaysia Terengganu in 2008, I have contributed in various international program's amongst others co-chairing IODE UNESCO OceanTeacher Global Academy (OTGA), committee members to international projects and program such as IOC Oceanknowledege, EU Tropimundo Erasmus Mundus , Ocean Biogeographic Information System (IOC) and Remote sensing habitat mapping (WESTPAC). I have conducted various research on the application of space technology and data management especially in remote sensing, GIS and related technologies. My projects involves all sectors of national resources, environmental and disaster management, and strategic planning. Currently my research focuses on the application of UAV and satellite technology in various environmental applications, Ocean data managment, benthic habitat studies and coastal zone management.

FIELD	Law	Remote Sensing and GIS
EXPERTISE	Environmental Law	Spatial data analysis, Digital image processing
SPECIALIZATION	Marine Environmental Law, Natural Resources Law	Coastal Zone management, Drone Mapping, Ocean data management

PROFESSIONAL MEMBERSHIP

- IUCN World Commission of Environmental Law
- Environmental Law Network International
- Environmental Management and Research Association of Malaysia

- Institution of Geospatial and Remote Sensing Malaysia (IGRSM)
- UNESCO Group of Expert in CD
- International Oceanographic Data and Information Exchange (IODE)
- OceanTeacher Global Academy (OTGA)

NETWORKING & RESEARCH COLLABORATION

- Australian Centre for Ocean Resources and Security, University of Wollongong
- World Wildlife Foundation
- National Oceanic and Atmospheric Administration, USA
- Maritime Institute of Malaysia

- International Oceanographic Data and Information Exchange (IODE)
- Tropimundo Consortium of Universities
- Ocean Biogeographic Information System (OBIS)
- Asia-Pacific Marine Biodiversity Observation Network (AP MBON)
- Asia-Oceania Global Earth Observation System of System (AOGEOSS)

PUBLICATION

- Scopus ID : 36168578200
- Researchgate : Wam Izatul Asma Wan Talaat
- Google Scholar : WIAW Talaat

- Scopus ID : 6603217449
- ORCID ID : 0000-0001-8421-5874.
- ResearcherID : L-8645-2018
- Google Scholar : AIDY M MUSLIM

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CONTACT

EDUCATION

Dip. (UTM) | B.Eng. Hons (HW) | PhD. (UWA)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My reserach interest are in coastal physical oceanography, with emphasis on field observation and numerical modelling. I play an active role in examining the southern south china sea, particularly in terms of ocean currents, wind, wave and its water masses. The most important aspect of my study is the recent findings of upwelling system along the east coast of Peninsular Malaysia. Involvment with numbers of reserach project under the IOC/WESTPAC has allow me to establish regional networks and become a Head of Reserach Project on Upwelling dynamics in the South China Sea and Adjacent Seas. I become an advocate to a collaborative partnership between Malaysia and China. Through this, I was selected to become a leader of a major research project between on the Ocean Forecasting System (OFS) for the South China Sea. At national level, I initiate a project group named MYCON (Malaysia coastal observation network) that focus in the collection of continous data monitoring along the Malaysia coastal waters using ocean buoy, wave glider and satellite imagery. I also speaks and writes actively in the topics of environment, climate change, and knowledge related to Science, Quran dan Islam

FIELD EXPERTISE SPECIALIZATION

Oceanography
Physical Oceanography
Coastal Dynamics, Upwelling Dynamics, Ocean Modelling

PROFESSIONAL MEMBERSHIP

- European Geoscience Union (EGU)

NETWORKING & RESEARCH COLLABORATION

- First Institute of Oceanography, China
- Ocean Institute, University of Western Australia, Australia
- University of East Anglia, UK
- University of South Brittany, France
- IOC/Westpac, UNESCO

PUBLICATION

- Scopus ID : 284127
- Researchgate : Mohd Fadzil Akhir
- Google Scholar : Mohd Fadzil Mohd Akhir

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BSc. (UPM) | MSc. & PhD. (Ryukyus, Japan)

My research interest is related to ecology of coral reef, mangrove and soft-bottom habitat. Research focus on the ecosystem resillience by accessing their trophic level, community structure and regulation of organic sources in food web. Ecosystem resilience is the ability of an ecosystem to resist displacement from its reference state during an environmental perturbation. High resilient ecosystem is an ability to recover fast after imbalances in population structure induced by any disturbances. Development of resiliency in response to changing climate such as monsoon season with multiple stessor provide keys to a greater understanding of resiliency for critical ecosystems such as coral reef and mangrove. Fatty acids are the main constituents of lipids as well as essential constituents of cell membrane lipids and precursors of bioactive metabolites. Lipids also play an important role in biochemical and physiological processes in living organisms and any changes in this compound will reflect their ecology, nutrition and health. Organisms rely on energy reserved, especially lipids, to survive under stressful condition. On the other hand, the usefulness of fatty acids as specific markers has been recognised for plants and animals, and their relative contributions can reveal the origins of organic materials found in environments. My current research program are application of fatty acid biomarkers for chemotaxonomy and chemoresilience study of Scleractinian corals; fish communities and their trophic level as assessed by fatty acid markers at reefs ecosystem; monsoonal changes in mesozooplankton fatty acids profile from reefs ecosystem in reliance to phytoplankton community distribution; and resilience of macroinvertebrate communities at the mangrove and adjacent habitat in the changing climate. Monitoring and managing functional groups in critical habitat play a significant role in understanding ecosystem recovery following a large scale disturbance. Eventually, ccological resilience could become central to conservation practices and ecosystem management.

Marine Science
Marine Ecology
Fatty Acid Biomarker

- International Society of Reef Studies

- Department of Marine Park Malaysia

- Scopus ID : 7801692481
- Researchgate : Zainudin BACHOK
- Google Scholar : Zainudin Bachok

SAIFULLAH ARIFIN JAAMAN
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BEHARA SATYANARAYANA
Associate Prof. Dr.

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EDUCATION

B.Fishery Sc. (Hons), M.Sc. & Ph.D. (Aberdeen)

BSc. (AU, India) MSc. (ANU, India) PhD. (AU, India)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the population ecology and behaviour of coastal cetaceans and dugong, and human-animal interactions in the South China Sea, particularly in the Bay of Brunei. Marine mammals play a varied role in marine ecosystems. Usually, the effects are explicitly or implicitly considered to occur through their ability to remove prey through direct predation. As top predators of the marine food web, the animals can therefore be used as indicators for the ecosystem. In additions, whales and dolphins are increasingly important drivers of economic growth for tourism and related industries. The research methods used have included boat, aerial, fisherman interview and questionnaire surveys, and site investigations on stranded or incidentally caught animals. The results clearly suggested that Lawas and Menumbok off to Labuan were the hotspots for marine mammal occurrences and the presence of mother-calf groups among the dugong, Irrawaddy and Indo-Pacific bottlenose dolphins indicate a small breeding population that is perhaps residential and undergoes local movements within the Bay. The availability of the dugongs' preferred food; meadows of *Halophila* and *Halodule* seagrasses were found to be abundant in the area. Gillnet fisheries and boat strikes are detrimental to the marine mammal population. Recently, research has progressed by using advance techniques (bioacoustics, satellite and radio tagging, genetic, UAVs, USVs) with international support and collaboration.

My research interests are to study the mangrove ecosystems and assess their role in terms of socio-eco-economic functionality. In light of the mangrove vulnerability to both natural (e.g. climate change) and anthropogenic perturbations, an in-depth analysis aimed at updating or adapting new management scenarios is a priority. Detection of the spatio-temporal dynamics in mangroves through historical and recent remote sensing datasets was conducted not only to provide the scientific insights, but also to support the (local) mangrove management authorities for an efficient conservational monitoring. In this context, the revolutionary use of unmanned aerial vehicles (UAVs) also took place and proved its advantages for mangrove mapping as well as retrieval of the biophysical properties (e.g. tree height, biomass). Along with diverse group of animals living in the mangrove environment, the declining population of the mangrove horseshoe crab - *Carcinoscorpius rotundicauda* also grabbed my attention. State-of-the-art information on these living fossils was generated from both east and southern coasts of Peninsular Malaysia and called for an immediate action to protect their spawning grounds. With the existing special interest group working on horseshoe crabs, the genetic sequences of *C. rotundicauda* were produced and made available to the world scientific community. My inquisitiveness and thirst for new knowledge is always reflecting through my participation in various national and international academic attainments in India, Sri Lanka, China, Malaysia and Belgium. My research work continues to recognize through several scientific projects and diverse publications in the high impact journals.

FIELD
Marine Science

Marine Biology

EXPERTISE
Marine Ecology

Mangrove Ecology

SPECIALIZATION
Marine Mammal Science

Mangrove Flora, Mangrove Fauna, Remote Sensing

PROFESSIONAL MEMBERSHIP
Marine Mammal Observer Association (MMOA)

NETWORKING & RESEARCH COLLABORATION
First Institute of Oceanography, China
Department of Fisheries Malaysia

- Scientific Collaborator - University Libre Brussels (ULB, Belgium)
- Research Partnership - University of Ruhuna (UoR, Sri Lanka)
- Research Partnership - The Swire Institute of Marine Science (University of Hong Kong)
- Selection Committee Member - TROPIMUNDO (Erasmus Mundus MSc programme)
- Local Coordinator - TROPIMUNDO (UMT, Malaysia)

PUBLICATION
Scopus ID : 55673577100
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ResearcherID : B-9407-2017
Researchgate : Saifullah A. Jaaman

- Scopus ID : 7003346054
- ResearchGate : Behara Satyanarayana
- Google Scholar : Behara Satyanarayana

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BSc. (UMT) MSc. (UTM) PhD. (Ghent)

My research primarily focuses on application of heat shock proteins (Hsps) for disease control in aquaculture, and detection and use of hormone peptides as biomarker for sex identification in fish. The framework of these studies involves international collaboration from Ghent University, Belgium. The novel method discovered was filed for WIPO patent application in 2009 and is now pending for award. Additionally, I was awarded a research grant under the "1000-Plan Young Talent Professors" program by the People's Republic of China from 2014-2017 of which I now serve as a visiting professor at the Tianjin Agriculture University, China to work on topics related to molecular chaperones. To date, I have produced 33 publications in international peer-reviewed journals and conference proceedings, with an H-index of 8 (Google Scholar). I serve as an Editor-In-Chief for the Journal of Fisheries and Aquaculture, BioInfo Publications, and Editorial Member for Journal of Coastal Development and the Journal of Marine Science Research and Development, Omics Publishing Group, USA. My expertise is recognized by the many invitations from well-cited journals as reviewer, amongst them include PLoS ONE, Cell Stress and Chaperones, Fish & Shellfish Immunology, Aquaculture, Journal of Fish Diseases, Aquaculture Research, Virology and the national publisher Dewan Bahasa dan Pustaka (DBP). I have invented JSB-extract, JASBEY and P3+ Pellets, products which had won a Special Jury Award, 2 gold, 3 silver and a bronze medal in research and innovation competitions. I was awarded the Outstanding Scientist Award (Applied Science and Engineering Category) in 2013, Young Academic Leadership Award and the Pure Science Research Publication Award in 2014 by Universiti Malaysia Terengganu. Work on RNA interference in the brine shrimp Artemia to study the putative role of Hsp70 in disease tolerance had been initiated during my visit to Dalhousie University, Canada. I serve as a visiting scientist to Dalhousie University in 2011-2014. Other than Hsps, my work focuses on the detection of hormone peptides for sex identification in Arowana, an important and valuable ornamental fish species.

Applied Biological Sciences
Aquaculture Biotechnology
Immunology

- ASIAN-FEN

- ASIAN-FEN

- Scopus ID : 55421413800
- Researchgate : Yik Sung Yeong
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BSc., PhD. (UKM)

Microalgae are important constituents of many ecosystems that have remained relatively unexplored and unexploited, despite their great potential as a source for valuable natural products. These photosynthetic microorganism are able to produce high amount of oil with fatty acid composition similar or far better to those of conventional oil producing crops. This characteristic has attracted great research attentions from scientists in various fields with the ultimate aim to develop microalgae as feedstock for edible (high PUFAs) and non-edible (biofuels) oil industrial applications. We are interested in elucidating the regulatory mechanism of fatty acids accumulation in selected high-oil producing microalgae strains isolated from native marine resources. Small scale oil extraction and fatty acid determination methods have been established for rapid screening of high-oil producing microalgae strains. The selected strains were further evaluated under different stress culture conditions for biomass and oil productions. The regulatory mechanism of fatty acid accumulation was comprehensively studied through (i) the characterization of key fatty acid biosynthetic genes and its promoter, (ii) the gene expression regulation using real-time PCR, (iii) genetic engineering approach to modified fatty acid composition, and (iv) the transcriptome and metabolome profiling using NGS and NMR. These efforts enable us to investigate the correlation between gene expression and the accumulation of different fatty acids composition. The knowledge and insight gained enable us to plan and design the best strategies to genetic engineering the microalgae for oil enhancement and improvement for feed, food and biofuel applications. In addition, the microalgae genetic transformation technology established in our lab is ready to be used to express useful proteins, enzymes and other bioactive compounds of nutraceutical and pharmaceutical importance.

Genetics
Microalgae Genetics
Gene expression, Genetic Engineering, Molecular Biology

- SATREPS-COSMOS
- Universiti Malaya, Malaysia
- Universiti Sultan Zainal Abidin, Malaysia

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (UKM)	BSc., MSc. (UKM)
PhD. (UPM)	PhD. (Edinburgh, Scotland)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr Habsah's field of specialization is Natural Product Chemistry and Organic Chemistry. Currently she has been appointed as programme head for subcluster Natural and Synthetic Products at Institute of Marine Biotechnology. Her research interest on marine natural products involved profiling, isolation and structural elucidation of coastal plants which include mangrove plant, marine organism which included marine sponges and seaweeds. Recently she involved in semisynthesis of bioactive compounds derived from interested organism. She also interested in development of bioassays related to antifouling, vibriosis, atheroschlerosis and neurodegenerative diseases. She actively involved in establishment of chemical library for cosmeceutical, AcHE inhibitors, GABAA modulators, molecular docking and antifouling biocide. Dr Habsah is actively involved in research. She has been a research leader for 6 research projects with total grant amounting to RM666,000.00. She also a co-reseacher in 5 other projects. She is heavily involved in the research supervision of undergraduate and postgraduate students. Fulfilling the role of the main supervisor she has supervised 1 PhD student, 6 MSc student, and more than 50 undergraduate students. She has also co-supervised 5 PhD students, 13 MSc students. Currently, 3 of her PhD students and 15 of her MSc student have graduated.Dr Habsah has papers, patent and product innovation carved with her name. She has participated in many national and international symposiums and conference, published article in various national and international refereed journals. The summary of her achievement are; 1 patent entitled Method of treating inflammatory disease with cardamomin (Patent no: MY-143280-A), Bronze medal in Malaysian Technology Expo 2007, Silver medal in ITEX-05, 35 articles published in refereed journals locally and internationally (H index=7, Citations=322).

My research interest is in marine biotechnology, focuses on the discovery of potential biochemical compounds in marine organisms, particularly marine microbes and marine invertebrate including sponges and horseshoe crabs. This includes exploring for potential microbes associated with marine organisms. I am now working closely on functional protein from haemolymph plasma of Horseshoe crabs particularly involve in coagulation factors. My biggest achievement in research is the awarding of research granst from various agency including Ministry of Science, Technology and Innovation (MOSTI), Ministry of Higher Education (MOHE) and Sabah Biodiversity with amount of RM7,083,342 as principal or co-researcher. In this area, I supervised more than 23 students postgraduate and 70 students for final year dissertation and graduated 1 PhD and 11 MSc. student as supervisor. As a Principle investigator for Horseshoe crabs research group (HCRG-UMT), we have published a book and 2 chapter in a book specialised on horseshoe crabs. We also produced a prototype called TAL Kit in 2011 with patent granted in 2015. My contribution to research has been recognized by few awards including a silver prize at Seoul International Invention Fair 2011 (SIIF 2011), a gold medal at 10th Malaysian Technology Expo 2011, a gold medal at University Malaysia Terengganu Research Day Exhibition 2011 and a silver medal at Biomalaysia 2010 Conference & Exhibition. Some of the finding from our research were also published in Scopus and index journal worldwide.

FIELD	Fisheries	Marine Biotechnology
EXPERTISE	Fish Biology	Marine Natural Product, Functional proteins
SPECIALIZATION	Ichthyology, Fish Behaviour, Fish Physiology	Compounds production from marine bacteria associations, Functional protein profiling from marine bacteria and invertebrates

PROFESSIONAL MEMBERSHIP

- Ichthyological Society of Japan
- Marine Biology Association of United Kingdom
- Malaysian Fisheries Society
- Asean Fisheries Society
- IUCN Horseshoe Crab SSG Steering Committee
- Persatuan Biokimia dan Biomolekul Malaysia

NETWORKING & RESEARCH COLLABORATION

- Mie University, Mie Japan
- National Museum for Science and Nature Tokyo, Japan
- University of Kagoshima, Japan
- University of Hokkaido, Japan
- Institute for East China Sea Research, Japan
- Heriot-Watt University, Edinburgh, Scotland
- Griffith University, Brisbane, Australia
- City University of Hong Kong

PUBLICATION

- Scopus ID : 6507143266
- Researchgate : Habsah Mohamad.
- Google Scholar : Habsah Mohamad
- Scopus ID : Noraznawati Ismail
- Researchgate : Ismail, Noraznawati

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EDUCATION

BSc. (UPM) | MSc. (Newcastle) | PhD. (Bangor)

M. Eng. (UMIST) | PhD. (UPM) | Post-doctorate (MIT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Mohd Zul Helmi has a wide knowledge and expert in the field of surfactant chemistry especially related to the preparation of external carrier matrices-based cosmetic products. He currently interested in exploring the field of advanced materials in respect of the use of biomaterials (fishbone or scales) applications via novel carrier matrices or known as nano-encapsulation in pharmaceutical and cosmetic uses. It is due to their intrinsic theoretical interest and numerous technological applications such as pharmaceutical, food industry and medical applications. At the same time he also keen on exploring more about the colloid applications as well on food by-product such as fishbone and natural products towards the green cosmeceutical formulations. The study of thermodynamic properties of micellar solutions is crucial of both practical and fundamental interest. The ability of surfactant micelles to bind or solubilize components in aqueous solutions gives these systems the unique properties responsible for many of the processes.

My 5 major research interests are: 1) Understanding the dynamics between environmental factors and cell physiological responses in terms of cell growth, biochemicals/metabolites production, genes expression and specific enzymic induction or repression in microbial, algae and plant cell systems; 2) Synthesis and characterization of nanoparticles for slow release and targeted drug delivery to cancer cells; 3) Integrated bioenergy and environmental remediation based on the biorefinery concept and cell culture engineering with enhanced productivity and recovery of biocompounds in large-scale bioreactor systems; 4) Biomaterials science and engineering for the development of value-added composite materials, and the eco-friendly biomaterials extraction, characterization and utilization; and 5) Bio-chemical sensor modified with eco-friendly and low cost materials for enhanced sensitivity of heavy metal ions and biomolecules detection using voltammetric analyses and CMOS-MEMS technology platform. I have published more than 130 articles in international and national refereed journals, book chapters, conference proceedings and technical reports, and presented in more than 30 international and national conferences as invited or oral speakers, with 3 patents pending. I have reviewed more than 300 submitted manuscripts to journals and conferences and have been a regular reviewer for publishers such as Elsevier and Taylor and Francis. With these more than 20 years academic and research journey, I have been awarded with the International Association of Advanced Materials Scientist Medal 2017, Sweden; and the Teaching Excellence Award 2015 for "Health, Safety and Environment as the basis for innovative T, R, D, C & E on Sustainability" by the Association for the Advancement of Biodiversity Science (AABS), India.

FIELD EXPERTISE SPECIALIZATION

Chemistry
Colloid Chemistry
Cosmeceutical Formulations and Applications

Chemical Engineering and Biotechnology
Bioengineering
Cell culture, Natural Products, Biomaterials, Bioenergy, Bioremediation

PROFESSIONAL MEMBERSHIP

- Ichthyological Society of Japan
- Marine Biology Association of United Kingdom
- Malaysian Fisheries Society
- Asean Fisheries Society

- International Association of Advanced Materials, Sweden (No: EA-160270-160-47)
- Fellow, Association for the Advancement of Biodiversity Science (AABS), India

NETWORKING & RESEARCH COLLABORATION

- Mie University, Mie Japan
- National Museum for Science and Nature Tokyo, Japan
- University of Kagoshima, Japan
- University of Hokkaido, Japan
- Institute for East China Sea Research, Japan

- COMSATS Institute of Information Technology, Pakistan
- Cairo University, Egypt
- National Center for Radiation Research and Technology (NCRRT), Egyptian Atomic Energy Authority (EAEA), Egypt

PUBLICATION

- Scopus ID : 24721789000
- Researchgate : Mohd Zul Helmi Rozaini
- Google Scholar :

- Scopus ID : 55595499800
- Researchgate : Mohd Azmuddin Abdullah
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EDUCATION

BAppSc., MSc.(USM) — PhD. (Glasgow)

Dip., BSc., MSc. (UPM) — PhD. (Kagawa)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr. Marinah Mohd Ariffin main areas of teaching and research are focusing on the environmental chemistry, analytical chemistry and forensic toxicology. Her current research projects involving the development of sorbent materials for selected analyte extraction from various environmental samples. The key strategy in her research activities is to bridge the gap between material technologies with the chemical analysis. Therefore, many of her recent publications were related to material synthesis and its application in various environmental and forensic samples analysis. She is a council member of Malaysia Analytical Chemistry Society, ANALIS. Her services are also extended as a journal reviewer for Biomedical Chromatography (Wiley Publication), Analytical Chemistry Journal (ACS Publication) and Journal of Chromatography A (Elsevier) to name a few.

My current research interests focus on the production of polysaccharides from marine microbes isolated from various marine organisms, bioactive potential and structural charterization of sulfated polysaccharides from marine organisms and microalgae, extraction and characterixzation of chitin and chitosan from marine sources and heavy metals pollution from marine environment. I am also act as co-researcher and involve actively in horseshoe crabs research and successfully produced a prototype called TAL Kit in 2011. I has received research grants to the tune of more than RM 6,659,140 from various agencies either as main and co-researchers. My contribution to research has been recognized by few awards including a silver prize at Seoul International Invention Fair 2011 (SIIF 2011), a gold medal at 10th Malaysian Technology Expo 2011, a gold medal at University Malaysia Terengganu Research Day Exhibition 2011 and a silver medal at Biomalaysia 2010 Conference & Exhibition. I have published more than 40 research papers and proceedings in various local and international journals.

FIELD	Analytical Chemistry	Marine Biotechnology, Marine Pollution
EXPERTISE	Separation Technique	Polysaccharide production
SPECIALIZATION	Forensic Toxicology, Environmental Analysis	Natural Product, Heavy Metal pollution
PROFESSIONAL MEMBERSHIP	Persatuan Sains Analisis Malaysia (Analis)	The Malaysian Natural Products Society (MNPS)
NETWORKING & RESEARCH COLLABORATION	Universiti Kebangsaan Malaysia Universiti of Glasgow	International Islamic University Malaysia Kagawa University of Japan
PUBLICATION	Scopus ID : 14625029200 Researchgate : Marinah M. Ariffin Google Scholar : Marinah M. Ariffin	Scopus ID : Researchgate : Ahmad Shamsuddin Google Scholar :

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EDUCATION

BSc. (UM) — MSc. (UPM) — PhD. (Glasgow)

BSc. (KUSTEM) — PhD (USM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

I started of my research with UMT internal grant on the study of metal accumulation in edible crustaceans in Terengganu, as a continuation of my PhD research on the accumulation of manganese in crabs. In this area, I supervised more than 15 students on for final year dissertation and graduated a MSc. student as co-supervisor. In 2011, I was involved in a horseshoe crab (HSC) research project, doing surveys on HSC population in Malaysia, covering both the peninsula and Malaysian Borneo. My works are funded by the government of Malaysia, Sabah Biodiversity Centre, and also collaborations with HSC specialists worldwide. Some of the findings were published as two chapters in *Changing Global Perspectives on Horseshoe Crab Biology, Conservation and Management* (Springer, New York, 2015), a full technical report on the population studies of *T. tridentatus* in Sabah waters in 2016, and a few other scientific articles in both local and international journals. Our group also published a book *Horseshoe Crabs of Malaysia* to promote awareness on the biology and conservation of the species in Malaysia.

My research interests have revolved around bacteria-derived biomaterials. I am interested in studying the unique properties and applications of polyhydroxyalkanoate (PHA) and rhamnolipid (RL). PHA is a biodegradable polymer with unique properties resembling plastics. My research uncovers new PHA producing bacteria from our diverse marine environment using classic and metagenomic approach. The ability of the strains to produce different types of PHA is studied in detail. The properties of the produced PHA as well as its potential applications are investigated. Similar strategies are applied in the study of the well-known biosurfactant, RL. The similarities in metabolic pathways for the synthesis of both products served as an important factor for detailed research. The bioprocess development of the biomaterials involves statistical optimization in shaken-flasks cultures and scale-up production in fermenters. Agro-industrial by-products from sugar cane refining processes and oleochemical industries are used as the renewable carbon sources for production. My research on potential applications of PHA and RL encompasses various fields including aquaculture, agriculture, medical and pharmaceutical sciences. Application of PHA as biodegradable micro-exfoliating agent in cosmetics and its fate in marine organism is being investigated using brine shrimp and copepod. My most recent study involves biodegradation of different palm oil derivatives in tropical marine environment. The study includes rate of degradation, toxicity evaluation and identification of microbial population through microbial metagenome. Other successful research projects includes production of biopharmaceutical PHA material, developing and evaluating biomimetic PHA scaffolds for tissue engineering of skin, synthesis of endotoxin free PHA by marine bacterium and engineering marine bacterium for simultaneous production of PHA and RL.

FIELD EXPERTISE SPECIALIZATION

Zoology

Invertebrate Zoology

Horseshoe crab ecology, Metals in invertebrates esp. crabs

Microbial Biotechnology

Bacteria-derived Biomaterials

Polymer Chemistry of Polyhydroxyalkanoate, Bioprocess Development of Rhamnolipid, Palm Oil Biodegradation, Microbial Metagenomics

PROFESSIONAL MEMBERSHIP

- IUCN Horseshoe Crab SSG Steering Committee

- Malaysian Society of Microbiology
- Malaysian Society of Applied Biology
- The Malaysian Natural Products Society
- Asia-Pacific Chemical, Biological & Environmental Engineering Society
- Higher Education Forum International Committee Board

NETWORKING & RESEARCH COLLABORATION

- Sacred Heart University, USA
- Fukuyama University, Japan

- Universiti Sains Malaysia (USM)
- Malaysian Institute of Pharmaceuticals & Nutraceuticals (Ipharm)
- University of Florence, Italy
- Vrije Universiteit Brussels, Belgium
- Pondicherry University, India

PUBLICATION

- Scopus ID :
- Researchgate : Faridah Mohamad
- Google Scholar :

- Scopus ID : 1513506880o
- Researchgate : Kesaven Bhubalan
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EDUCATION

BSc. (USM)	BSc., MSc. (KUSTEM)
MSc., PhD. (UPM)	PhD. (France)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Marzuki's field is Air Pollution with specialization in Air Pollution Management and Modeling. His recent research work focuses on improving air quality status through air pollution management and forecasting whereby the basic course of environmental degradation is due to the failure of humankind to deal adequately with public goods. This includes research interests in evaluating and managing the eco-systems limited resources. His research interest also focuses on the areas of indoor air quality and noise pollution.

My research focus on the heavy metals content in sediment samples collected from river, mangrove, coastal and offshore area which the sediment can act as geo-marker for pollution studies. Several approach such as Enrichment Factor, Index of Geoaccumulation, Pollution Load Index and comparison with Sediment Quality Guidelines were used to determine the pollution status at that particular area. I also studied the sediment characteristic and the relationship between particle size and the heavy metals concentration. All data obtained will be produced in isopleth map using ArcGIS software to show the hotspot of contamination area and give a better understanding by the public. Apart from the sediment samples, my research also include on biota samples of fishes, crustaceans, bivalves, molluscs and plants such as seaweed and sea grass from aquatic environments. From this biota samples, the suitability of using these organisms as bio-indicator can be identified which best to reflect the environmental quality. Risk assessment towards human health by consuming these organisms which have economic values and more popular seafood can be estimated by calculate the Provisional Tolerable Weekly Intakes (PTWI). This PTWI outcome can safeguard public health by limit the amount of seafood to be consumed by the individual. Currently, together with the young researchers in UMT Metallic Elements Group and Marine Pollution Research Interest Group and other researchers from other universities and organization, we are actively gather all data from Malaysian marine aquatic environment to be stored in GIS database. With this database, these data can easily referred by other researchers for their further studies.

FIELD	Air Pollution	Marine Science
EXPERTISE	Air Pollution Management	Marine Pollution
SPECIALIZATION	Air Pollution Modelling, Noise Pollution, EIA	Heavy Metals Pollution

PROFESSIONAL MEMBERSHIP

- ENSEARCH
- Clean Air Society of Malaysia

- ANALIS Malaysia
- Malaysian Society of Toxicology
- Asia Oceania Geosciences Society
- European Geosciences Union

NETWORKING & RESEARCH COLLABORATION

- Mahidol University Thailand
- Tenaga Nasional Berhad (TNB) Research, Malaysia
- Faculty of Environmental Studies, UPM, Malaysia

- Université de Bretagne-Sud, France
- Université de Bretagne Occidentale, France
- South China Sea Institute of Oceanology, China
- Prince of Songkla University, Thailand
- Southeast Asian Fisheries Development Center (SEAFDEC)

PUBLICATION

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- Google Scholar : Marzuki Ismail

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BSc., MSc. (USM)

PhD. (Adelaide)

My research interests are mainly on the diversity and ecology of insects, pest and disease management and environmental biology. My area of specialization are analyzing and quantifying of biodiversity and community structure of insects, evaluating aquatic insects as bio-indicator of water quality and also insects-plant interactions, especially on Coleopteran pests and stingless bees. My current research involving the development of molecular, systematic and biology of new invasive coconut pest, Red Palm Weevil (*Rhynchophorus ferrugineus*) on coconut palms, and investigation on alternative control strategy of this pest weevil using proteomic profiling of digestive fluid and evaluation of nano-formulated of entomopathogenic fungi as bio-control agent. The key strategy in the research activities is to give a better understanding on the taxonomy, biology and ecology of the new pest weevil on coconut palms, as well as to investigate the potential of indigenous entomopathogenic fungi, which will be the first step to discovery the potential control strategy of the species. The outcomes from this research will provide information for the effective formulation to control this new coconut pest using both biological and chemical pest management, so that the necessary measure can be taken to prevent its further spread.

Fisheries

Insect Biology

Entomology, Insect Pest Management, Insect Ecology

- Malaysian Society of Applied Biology (MSAB)
- Entomological Society of Malaysia (ENTOMA)
- Malaysian Nature Society (MNS)

- Department of Agriculture (DoA), Malaysia
- Malaysia Palm Oil Board (MPOB), Malaysia
- Malaysian Agricultural Research and Development Institute (MARDI), Malaysia
- TDM Plantation Sdn. Bhd., Malaysia
- Felda Agricultural Services Sdn. Bhd., Malaysia.
- Sime Darby Research Sdn. Bhd., Malaysia

- Scopus ID : 55349512200
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BSc., MSc. (USM)

MSc. (Cape Town)

PhD. (UPM)

My research interests are the systematics (taxonomy), biology and ecology of marine invertebrates with in-depth works on marine worm (Annelida: Polychaeta). Our research group works on several aspects including small-scale biogeography in coastal and estuary, biofouling ecology and, biology and ecology of commercially related species for sustainable application. The group also has started interest on deep-sea polychaetes. The research group has both local and international research network including Australia (Australian Museum Research Institute) and Russia (Moscow State University) and Malaysia (Universiti Teknologi Mara, Malaysia). The overarching objectives are to systematically catalogue the marine invertebrate diversity in Malaysia, and to apply the knowledge on the ecological and biological requirements of the species for the betterment of Malaysian through economic empowerment, health and environment in a sustainable manner. In addition, I am currently entrusted to head the South China Sea Repository and Reference Centre (RRC), a nationally recognised repository on the marine natural history of Malaysia. The RRC is an OBIS Node for Malaysia and one of the two institutions acknowledged by Australian Biological Research Study (ABRS) for specimen exchange between Malaysia and Australia.

Marine Biology

Invertebrate Biology

Polychaete Taxonomy, Polychaete Biology, Benthic Ecology

- International Polychaetologist Association - Country Representative
- Asean Fisheries Society

- Australian Museum Research Institute
- Moscow State University
- Universiti Putra Malaysia
- Universiti Teknologi Mara

- Scopus ID : 56450468300
- Researchgate : Izwandy Idris
- Google Scholar : Izwandy Idris

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc., MSc. (UMT)	PhD. (Queensland)	BSc., MSc. (Hanoi)	PhD. (Tokyo)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research group studies the energetics of sea turtle hatchlings during their nest escaping process, and how this energy consumption may affect the hatchling's performance to swim in the open sea and survive until to become an adult. We're particularly interested in how hatchlings respond to environmental variation, such as sand types, humidity, gases exchange, temperature and even environmental sounds that presumably influence the energetic cost of nest escape. This study now entered the new niche area by incorporating animal energetics data into simulation modeling software to predict oceanic dispersal of our hatchlings in the South China Sea. In addition, we also working in understanding how prey-predator relationship at our sea turtle research station, enabling better conservation practices. We combine lab-based experimental studies with fieldwork, and take an integrative approach that utilises ecological, behavioural, and physiological methodologies. In the field we utilise remote sensing technology (acoustic and satellite telemetry, archival tags) to investigate the movement patterns and behaviours of predatory animals such monitor lizards and black tip reef shark in relation to environmental conditions. As a Sea Turtle Research Unit (SEATRU) Team Leader, my responsible to not only doing scientific research but also actively involved in conservation activities. One of the iconic conservation program in UMT since 1998 is the SEATRU volunteer program at Chagar Hutang, Redang Island and this program has received volunteers from around the world. Besides, I am also appointed as technical advisor for many conservation projects related with sea turtles globally. Working closely in conservation science, I am hoping that more people will work together to protect their own precious natural heritage such as sea turtles, and other important marine ecosystems to ensure the survival of endangered species and towards development of sustainable society.

My research interest is focused on the effects of pollutants on marine organisms from coastal regions, particularly in fish and mussels. My current studies are focussing on marine food web structure and the transfer of pollutants through food chain by using stable isotopes. I have also applied stable isotopes as natural makers to understand the feeding ecology and migration of fish such as freshwater anguillid eels and reef-associated fishes. Studying in the shallow water Setiu Lagoon, I found that the juvenile reef fish are highly associated with seagrass beds as feeding grounds in the mangrove-seagrass continuum, biological interconnected habitats could enhance juvenile fish growth before offshore migration. Microplastic impact on marine ecosystems are currently serious issue is among my research areas, I have used plastic resin pellets as indicator to track temporal and spatial patterns of persistent organic pollutants (POPs) in the marine environment. The study found that there are strong relationships between concentrations of POPs and human activities along the coast of Vietnam.

FIELD	Marine Biology	Ecotoxicology, Life sciences
EXPERTISE	Zoology	Marine Pollution, Stable isotopes
SPECIALIZATION	Animal Physiology, Sea Turtle Conservation	Heavy metals, POPs, Fish migration, Fish feeding, Food web

PROFESSIONAL MEMBERSHIP

- International Sea Turtle Society
- Society for Coastal Ecosystems Studies - Asia Pacific
- JSPS CCore RENSEA, Japan

NETWORKING & RESEARCH COLLABORATION

- The University of Queensland, Australia
- Graduate School of Informatics, Kyoto University
- Borneo Marine Research Institute, Universiti Malaysia Sabah
- National Museum of Marine Biology and Aquarium, Taiwan
- Fakulti Perubatan Veterinar, Universiti Putra Malaysia
- University of Tokyo, Japan
- Guangzhou Institute of Geochemistry, China
- University of Kyoto, Japan
- Lancaster University

PUBLICATION

- Scopus ID : 56503634200
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- Google Scholar : Mohd Uzair Rusli
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- Researchgate : Dung Le Quang

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BSc., MSc. (IFESCU) — PhD. (UPM)

My research interests are in biogeosciences and fall into two complementary areas with space-based remote sensing as the common link. Area of research is concerned with the field-based and remote measurement and monitoring of biophysical and canopy structure parameters such as leaf area index (LAI), foliage clumping index, and biomass using optical analyzers and spectrometers in combination with radiative transfer modelling and multi-spectral and multi-angle optical remote sensing. Research has focused primarily on understanding and modeling of land-water interface processes, their parameterizations in numerical weather prediction and global climate models, and the role of terrestrial and aquatic vegetation in shaping climate, air quality, and water resources. My research aims to determine which biophysical properties of mangrove, seagrass, coral, aquaculture, and seaweed culture sites and associated waters that can be measured and monitored from operational and research based remote sensing systems. The field of research requires remote Sensing research experience in coastal environments varying in their water clarity, seagrass and reef type, species composition (seagrass, coral, algae and mangrove) and also their level of natural or anthropogenic disturbance. I have explored application of remote sensing methods in different seagrass environments, located in Peninsular, Sarawak and Sabah of Malaysia. Also, I have Forest and biodiversity conservation research and professional experiences including community based natural resources management especially planning, implementation, monitoring and evaluation of community/social forestry programs, participatory planning and implementation of demand driven and conservation friendly livelihood improvement projects in protected areas, generating community participation in conservation and development activities, non-timber forest products management, natural resource based database software development and research.

Remote Sensing
Marine Ecology & Biology
Aquatic Remote Sensing, Forestry, Biodiversity Conservation

- Biodiversity Research Group of Bangladesh

- Arannayk Foundation, Bangladesh
- Bangladesh Space Research and Remote Sensing Organization (SPARSO)
- Global Biodiversity and Information Facility (GBIF), Denmark

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BSc. (UPM) — MSc. (UMT) — PhD. (UBS)

Jasnizat Saidin was graduated in Bachelor of Science (Biotechnology) from Universiti Putra Malaysia in 1999 and earned his Master degree in Science (Biotechnology) from the Universiti Malaysia Terengganu (UMT), Malaysia. His master research was entitled "Morphological Characteristics of Terengganu Marine Sponges and their Bioactivity". He then completed his Doctorate degree with very honourable mention (*mention trés honorable*) in Biological Science from Université de Bretagne-Sud, France in 2012. During his doctorate he were investigating the interactions of sponge-associated bacteria and their communication molecules. His research interest are on bioprospecting of marine microorganisms for various applications such as enzymatic potential, natural products (anti-inflammatory, anticancer antibiofilm, antibiofouling and antibacterial) and bioremediation. He utilized multiple approaches which includes techniques and bioassays to achieve his objectives, such as customized special media to increase the number of species of the isolated microbes, bait based media, metagenomic based bioprospecting, enzymetic and cell based bioassay. His latest research is on metagenomic and metabolomics approaches in prospecting bacterial metabolites which associated with marine sponges.

Biotechnology
Bacterial Biotechnology
Natural Products

- Asian Federation of Biotechnology

- Universite de Bretagne Sud
- University of Tokyo
- University of Soka

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

YOSIE ANDRIANI HS
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EDUCATION

S.Si. (UNSRI)	BSc & M.Sc.(Tripoli)
MSi. (IPB)	M.Res.(Leeds)
PhD. (UMT)	PhD. (Hull)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Yosie Andriani HS was graduated from the Universitas Sriwijaya (UNSRI) in the field of Biochemistry and she earned master of Biochemistry from the Institut Pertanian Bogor (IPB), Indonesia. Her master research areas were related to anti-hypercholesterolemia and anti-atherosclerosis activities of plant extracts of jati belanda In vivo using rabbits. She then completed her Doctorate degree of Biochemistry from Institute of Marine Biotechnology (IMB), University Malaysia Terengganu (UMT), Malaysia in 2012. Her Ph.D research was studies on the mechanism of action of compounds isolated from *Phaleria macrocarpa* for hypercholesterolemia and atherosclerosis by in vitro and in vivo studies, it's funded by Ministry of Higher Education (MOHE), Malaysia. During her PhD she also isolated a new compound with anti-hypercholesterolemia potential and studied the toxicity effect of the compounds on liver and kidney of rats via histology. Start 1999, Dr. Yosie served as a lecturer at FMIPA-Universitas Bengkulu (UNIB), Indonesia. She is currently a lecturer and a researcher at IMB, UMT, Malaysia. She has supervised of some Internship students from university of South Brittany, France, some degree students, one PhD student as co-Supervisor in IMB (UMT), 6 master students from IMB (UMT), and 3 master students from Indonesia under collaboration of LOI between FKIP-UNIB and IMB, UMT, Malaysia. She was also active involved as a researcher on that collaboration. Moreover, Dr. Yosie has two research grants from Ministry of Higher Education (MOHE) as a leader and 4 as a co-researcher, Malaysia. Her currently grants are related to studies on mechanisms of anti-hypercholesterolemia and anti-atherosclerosis properties of compounds isolated from coastal plants (via mechanisms of SR-B1 and HMG-CoA reductase), and their toxicity on animal's model. In addition, she is also keen to explore the efficacy of anti-inflammatory and anti-cancer of coastal plants, marine bacteria and marine organisms, and the mechanisms involved. Dr. Yosie was active as an author in some international conferences and scientific journal articles. She was also served in research collaboration under LOA between IMB, UMT and UNIB, Bengkulu, Indonesia since 2014, between Bandung Institute of Technology (ITB), Bandung, Indonesia, and Diponegoro University (UNDIP), Semarang, Indonesia since 2018. Currently, She was contributed as an associate editor of Journal of Sustainability Science and Management (JSSM) (a Scopus and ISI Journal from UMT) for special Issue of ICNP 2016 and normal Issue since January 2018.

My research interest is focused on the Ecology and biology of marine vertebrates, with special interest in Avian Biology and Sea turtle Conservation Biology. In Avian Biology I am conducting field surveys to update the status of remaining Seabird colonies on small islands of Peninsular Malaysia, after long decades of egg poaching by local fishermen, and how to integrate seabirds in marine parks strategies and action plans. I am using seabirds as indicators of pollution and ecosystem quality. In sea turtle research I am involved in exploring the impact of bycatch on sea turtle population survival at small scale fisheries. I am also interested in the impact of increasing temperature on sex ratio of sea turtle hatchlings, and how to mitigate the implications of climate change on these species.

FIELD

- Biochemistry
- Applied Biochemistry
- Medicinal Chemistry, Herbal Medicines

- Marine Conservation Biology
- Avian Ecology
- Ornithology, Vertebrate Biology

EXPERTISE

SPECIALIZATION

- Malaysia Natural Products Society
- MSBMB

PROFESSIONAL MEMBERSHIP

- International Ornithological Society
- EAAF Swabird Working Group (member).
- Malaysian Nature Society (Committee member, Terengganu Branch)
- Malaysian Bird Conservation Council (member).
- Society of Conservation Biology.
- Pacific Seabird Group.
- Medmaravis (Council member).
- IUCN Flamingo Specialist Group.
- IUCN World Commission Protected Areas.
- IUCN Marine Turtle Specialist Group.
- Small Islands Initiative in the Mediterranean (PIM, Scientific Comm. member)

NETWORKING & RESEARCH COLLABORATION

- UNIB, Indonesia
- ITB, Indonesia
- UNDIP, Indonesia

- Tripoli University, Libya
- Omar Almokhtar University, Libya
- University of Hull, UK
- University of Leeds, Uk
- Stazione Zoologica Anthon Dhorn, Italy
- Guangdong Institute of Applied Biological Resources, China
- Birdlife International, Cambridge, UK

PUBLICATION

- Scopus ID : 56609172100
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- Google Scholar : Yosie Andriani

- Scopus ID : 53870055000
- Researchgate : Abdulmaula Abdulmagid Hamza
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- ResearcherID : C-6512-2018
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BSc. (KUSTEM) | MSc. (UKM) | PhD. (Queen's)

My main research is focusing on the synthesis and characterization of various nanomaterials such as silver and silica nanoparticles via green synthesis route. As toxic reducing agents used in the nanomaterials preparation, our aim is to completely eliminate the consumption of these reagents, and substitute it with biobased reducing agents. Up to now, various natural reducing agents including from plants (galangal rhizomes, pandan leaves, citrus) as well as waste extraction (chitin and chitosan from marine and mud crab) have been developed in our lab. I am also interested in fabrication of nanoparticles' surfaces for the formation of core-shell or quantum bubbles nanoparticles. For example, silver nanoparticles are succesfully doped on the silica core nanoparticles and show an excellent performance in catalytic degradation of azo dyes. As the surface area of core-shell nanomaterials are higher than traditional nanoparticles, these nanomaterials are expected to have a better performance towards broader application fields.

Chemistry

Physical Chemistry

Materials, Surface Chemistry

- The Malaysian Analytical Sciences Society (ANALIS)
- Malaysian Microscopy Society

- Queen's Univerisity, Canada
- University of Ontario Institute of Technology, Ontario, Canada
- Universiti Teknologi Mara, Malaysia
- Universiti Kebangsaan Malaysia

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BSc. & MSc. (USM) | PhD. (St. Andrews)

My research interest is focused mainly on ecology, biodiversity, and taxonomy and systematics of various animal groups. I am using qualitative and quantitative ecology to support the management of terrestrial and aquatic resources in natural ecosystems: providing baseline information, evaluating the status of terrestrial and aquatic resources, particularly fish, herpetofauna and several insect groups and identifying impacts of habitat degradation on species richness of natural ecosystems. Field survey is mainly conducted to acquire this information. Aiming to achieve sustainable utilization of natural resources and long term in situ conservation and reducing the impact of the development of the natural environment. Most field studies have been carried out in Peninsular Malaysia in collaboration with Department of Forestry, Department of Fisheries and Department of Wildlife and National Parks plus relevant NGOs. More recently, I am researching on alien invasive species (AIS) particularly fish in both natural and human-made habitats. In this research, I am looking at emergence of AIS and their adverse impact to native species and local assemblages over time and space. For this, studies on AIS fish biology and ecology were made.

Zoology

Ecology

Fish Ecology, Animal Ecology, Taxonomy and Systematics

- Malaysian Fisheries Society
- Asean Society Ichthyology

- University of St. Andrews, Scotland
- Lee Kong Chiang Natural History Museum, Singapore
- National University Singapore, Singapore
- La Sierra University, Ca., USA
- British Museum of Natural History, UK

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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CHIA POH WAI
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EDUCATION

BSc. (UMT) | MSc. (UKM) | PhD. (Cork)

BSc., MSc. (UPM) | PhD. (St.Andrews)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focuses on the development of biosensor and chemical sensor for the detection of various targeted compounds, mainly carcinogenic and toxin compounds in environmental monitoring, as well as in food samples. There are various techniques involved in these projects, which includes electrochemical, chromatographic and spectroscopic techniques. In recent project, we are developing a three electrode system, using a polymeric functional membranes for the detection of carbonate ion in sea water samples. There are several analytical techniques involved in this project, including potentiometry, amperometry and also conventional titration methods. In previous project, I was working on the development of amperometric immunosensor to detect polycyclic aromatic hydrocarbons (PAHs) in river water samples. A technique based on enzyme-linked immunosorbent assay was deployed in this project, combined with electrochemical detection. Verification of the developed method was carried out using chromatographic technique. Besides, I am also a co-researcher in a project where we develop a bio/chemical sensor based on optical and electrochemical techniques to detect domoic acid in seafood samples.

My current research interests lie in the area of both organic synthesis and green chemistry. My laboratory research focuses on the use of environmental benign catalytic systems or technology to catalyse the formation of bioactive molecules, such as bisindolylmethanes, bisenols, thiazolopyridimine and other medicinal privileged scaffolds. Recently in my research group, we have developed the water extract of burned-ash of onion peel waste (ash-water extract) as an efficient catalytic system for the synthesis of bisenols. Additionally, we have also reported an efficient catalytic system for the synthesis of bisindolylmethanes (BIMs) using Water Extract of Onion Peel (WEOP). These methods are capable of minimizing the use of toxic chemicals that are scientifically significant and at the same time provides an alternative way of bio-waste management. The abundant bio-waste generated across the world is an appealing resource, especially in regard with its application in organic synthesis, and thus aid in reducing the environmental pressure. In organic synthesis, the prospect of using an inexpensive and environmental benign natural feedstock extract to accomplish organic processes, is promising. In addition, I'm also actively involved in the university chemistry education research. Recent activities include the utilization of Uncritical Inference Test (UIT) to enhance students' deeper learning in organic chemistry and organic spectroscopy learning, and the creation of teaching method to enhance students' understanding in Nature of Science (NOS).

FIELD	Chemical Sciences	Chemistry
EXPERTISE	Sensor	Organic Chemistry
SPECIALIZATION	Biosensor, Chemical Sensor, Electrochemical Sensor	Organic Synthesis, Green Chemistry, Chemical Education

PROFESSIONAL MEMBERSHIP

- The Electrochemical Society
- The Malaysian Analytical Sciences Society (ANALIS)
- Persatuan Pembangunan Teknologi Sensor Malaysia
- Institute Chemistry of Malaysia

NETWORKING & RESEARCH COLLABORATION

- Tyndall National Institute, University College Cork
- Universiti Putra Malaysia
- Universiti Kebangsaan Malaysia
- Daegu University

PUBLICATION

- Scopus ID : 57192659046
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- Google Scholar : Azrilawani Ahmad
- Scopus ID : 56579963100
- Researchgate : Poh Wai Chia

CHONG **JU LIAN**
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BSc., PhD. (UKM)

Chong Ju Lian has keen interest in Zoology, Conservation Biology and Molecular Ecology. She graduated with a Bachelor of Science with first class degree (Honours) from Universiti Kebangsaan Malaysia, majoring in Zoology. She worked on the population dynamics of an aphid, *Aphis gossypii* Glover with ladybird beetle predation and the incidence of virus diseases on chilli plant interplanted with other crops, then continued her PhD in the same university on the population structure of a problematic weed in Malaysian agriculture, goosegrass (*Eleusine indica*) studying the genetic, morphological variations and growth patterns of the glyphosate resistant and glyphosate susceptible populations of this weed around Malaysia. Her research interests include the critically endangered Malayan or Sunda pangolin (*Manis javanica*); an invasive species, the Red Palm Weevil (*Rhynchophorus ferrigineus*) and various species of fauna including moths, bats, birds and civet cats, on aspects of their ecology, biology and genetics in order to better understand the intricate interactions between organisms and their ecosystem to protect their genetic heritage for the future. Some of her studies include studies on the ecology, biology and genetics of the Sunda pangolin, surveys on the utilization of the species by the local communities and for conducting public awareness programs to the general Malaysian public and local communities. In addition, a book co-authored by Ju Lian with her MSc student, Tenggiling Sunda Khazanah Alam Malaysia which was based on their studies conducted on the Sunda pangolin won the National Book Award 2017 for the best book in the Knowledge category. In acknowledging her active participation in conservation of Malaysian wildlife especially on the Sunda pangolin, Ju Lian is part of the thinktank in several workshops related to conservation and wildlife in Malaysia and abroad, especially related to the Sunda Pangolin. She is currently acknowledged by the International Union for Conservation of Nature (IUCN) as one of the few experts on the Sunda Pangolin. Due to her expertise, Ju Lian has been invited as an invited speaker to share her knowledge and experience in various conferences and events in Malaysia and abroad.

Conservation Biology, Zoology

Wildlife Management, Population Genetics

Conservation of Biodiversity, Population Dynamics, Molecular Ecology, Wildlife Ecology, Endangered Species Management

- Academy of Sciences Malaysia, Associate
- Society for Conservation Biology (SCB)
- Malaysian Society of Applied Biology (MSAB)

- National University of Singapore
- University of Oxford
- Universiti Kebangsaan Malaysia (UKM), Malaysia

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Dip. (UPM) | BSc., MSc. (UMT) | PhD. (France)

My research interest is focused on the coastal morphodynamic within diverse coastal management strategies. This field of research required detail understanding of coastal processes due to natural hazard and anthropogenic factor. Conducting this research in the field are cumbersome due many un-control variable in the surrounding especially in develop beaches. These supportive experimental methods such as physical modeling provide the keys to a greater understanding the pattern of monsoon that can influence the coastal processes. These approaches can discover the climate changes especially sea level rise and to apply the results of the experiment in coastal erosion as the main global problem. Other research interests, I explore a research on natural protection at the beach with the monsoon environment.

Geoscience

Geomorphology

Coastal Erosion, Coastal Management, Coastal Community

- Asia Oceania Geoscience Society
- Coastal Education and Research Foundation

- Université Bretagne Sud, France
- National Hydraulic Research Institute of Malaysia (NAHRIM)

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc., MSc. (USM)
PhD. (UMT)

BSc., MSc., PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interests include the ecology and paleoecology of benthic foraminifera, and their potential use as tool to reconstruct past climates and environments. Foraminifera are single cell tiny organisms that are surrounded by shell like structure known as test. They inhibit all marine and marginal environment. These microscopic organisms existed since the early Cambrian period. Due to their high abundance, diversity and good fossilisation potential, foraminifera has been known to be good indicator in paleoenvironmental study. So far, there are proximately 4500 genera of foraminifera identified worldwide. In Malaysian waters, 200 genera were discovered so far. My research has successfully documented foraminifera from Kedah, Penang, Johor and Terengganu waters. These preliminary data are very crucial as baseline data for application study of foraminifera in the future. Most of my research focusses on the interpretation of ancient environment. The process of past climate reconstruction requires the understanding of modern foraminifera ecology in order to interpret the assemblages of fossil counterpart. With the help of statistical method such as transfer function, I aim to understand the history of sea-level changes around Malaysian waters. Finally the changes observed from the ancient sea will help me predict regional sea-level behaviour in the future. Besides its . application in paleoenvironment study, I also use foraminifera as pollution indicator. The foraminifera assemblages from reef environment were used to determine the health of coral reef. My future plan are to document foraminifera distributions from all around Malaysia and to utilised foraminifera in isotope study to reconstruct the changes that occur to Sunda Shelf during Holocene.

My research interests include the systematics of early land plants, especially liverworts (bryophytes), and its biodiversity in the Southeast Asia region. Liverworts are abundant and occur everywhere in tropical rainforests in Malaysia, however, they have been frequently overlooked or ignored by botanists. Many forests and mountains in Malaysia are largely unexplored from a hepaticological perspective. I started my research with a sense of urgency to document this interesting group of plants in Malaysia, however, as time goes by, it has turned into a great motivation and increasing passion in me to further research these tiny plants (many of them being only a few millimeters tall) including the integrative taxonomy based on morphological and molecular data, chemical study, character state evolution and historical biogeography. Liverworts particularly the epiphylls are very sensitive at natural fluctuations in humidity, climate change and forest fragmentation, and they are being highly recognized as important environmental indicators and possible indicators of global warming. This inspires me to further investigate their roles, functions, and life strategies in the rainforest biome. Detailed monographic revision with identification key, and well-illustrated, up-to-date and comprehensive field guides for identifying Malaysian liverworts species are also my focus. It is expected many new discoveries may be made in the future as Malaysia is blessed with one of the richest biodiversities in the world.

FIELD
Paleontology

EXPERTISE
Micropaleontology

SPECIALIZATION
Foraminifera, Paleoecology, Paleoceanography

FIELD
Bryophytes

EXPERTISE
Leafy Liverworts

SPECIALIZATION
Taxonomy & Systematics

PROFESSIONAL MEMBERSHIP

- International Association of Bryologists, IAB
- Alexander von Humboldt Fellow
- Malayan Nature Society
- The Society of Herbarium Curators, SHC

NETWORKING & RESEARCH COLLABORATION

Mineral and Geoscience Department of Malaysia
GNS Wellington, New Zealand
East Carolina University, USA

- University of Munich, Germany
- University of Bonn, Germany
- Eszterházy Károly University, Hungary
- University of Hiroshima, Japan
- Xishuangbanna Tropical Botanical Garden, Chinese Academy of Science, China

PUBLICATION

Scopus ID : 56166286000
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Google Scholar : Fatin Izzati Minhat

- Scopus ID : 56707872100
- Researchgate : Gaik Ee Lee
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BSc., MSc. (UMT)

PhD. (Pannonia)

I am broadly interested on parasitic and associated organisms of marine and freshwater vertebrates. Accordingly, my research has focused on Phylum Myxozoa, the microscopic, spore-forming, endoparasitic metazoans. Specifically I am interested in discovering and describing novel species, taxonomy (morphological & molecular characterization), and discovering life cycles by the aids of molecular diagnoses. Habitat of interest for field research are primarily in marine and wetlands biotopes, where the ecology and distribution of parasitic Myxozoan still less investigated. Together with research collaborators, we have found several novel myxozoan species and completed the life cycles of five myxozoan species. In addition, I also conducted research on epibiotic organisms of sea turtle where the symbiotic relationship of the epibiotic organisms towards the sea turtle, and their attachment mechanisms were investigated. Recently, an aid of phylogenetic analysis on the epibiotic organisms has help us in determining the possible foraging ground of Malaysian sea turtle species.

Marine Biology

Symbiosis & Parasitology

Fish Parasitology, Molecular Taxonomy, Parasites Life Cycle

- European Association of Fish Pathologists
- Society of Conservation Biology Malaysia Chapter
- Malaysian Nature Society

- Institute for Veterinary Medical Research, Centre for Agricultural Research, Hungarian Academy of Sciences, Budapest, Hungary
- Department of Animal Sciences and Animal Husbandry, Georgikon Faculty, University Of Pannonia, Keszthely, Hungary
- Interdisciplinary Centre of Marine and Environmental Research (CIIMAR/CIMAR), University of Porto, Porto, Portugal
- Department of Aquatic Animal Medicine, College of Fisheries, Huazhong Agricultural University, Wuhan, China
- Underwater World Aquaria, Langkawi, Malaysia

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BSc. (UPM)

MSc. (UMIST)

PhD. (Manchester)

My research of interest is focused on the development of Chemical and Biological Sensors. These sensing technologies are known as dynamic approaches for identifying and quantitating specific analytes of human levels of concerns. The research involves the development of analytical detection methods for specific analytes using optical and electrochemical techniques particularly in the design and development of chemical sensors and biosensors for environmental, industrial and biomedical applications. Research works combine aspects of simple synthetic chemistry, materials for immobilisation of reagents, design of sensors, signal processing and instrumentation. Due to growing need for rapid, continuous and multi-component analysis, as well as the necessity for shorter sample preparation methods, the development of these sensing techniques offered such capabilities that are very tempting for the sensor technology to be implemented in various applications since it can make any monitoring and surveillance studies much simpler with decreasing costs per sample throughputs. Among the sensing technologies investigated in this research are metals, gases and marine toxin sensors.

Instrumentation and Analytical Science

Analytical Chemistry

Chemical and Biological Sensors

- Persatuan Pembangunan Teknologi Sensor Malaysia
- Institut Kimia Malaysia (IKM)
- Persatuan Sains Analisis Malaysia (ANALIS)

- The University of Manchester
- Universiti Putra Malaysia
- Universiti Kebangsaan Malaysia

- Scopus ID : 56896175900
- Researchgate : Hafiza Zuki

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (UPM) | MSc. (UMT) | PhD. (Hokkaido)

B.Sc., M.Sc.(UPM) | PhD. (London)

RESEARCH CONTRIBUTION & ACHIEVEMENT

The area of specialization is mainly on marine geochemistry, organic and inorganic markers, and paleoenvironmental studies. He also has been actively working on the metal studies in marine organisms and mangrove species of *Rhizopora apiculata*, and Bidong Island ground water monitoring. The outcome of research has been presented and published in many papers on environmental studies at international and national indexed journals, conferences and symposiums. Presently, 18 articles had been published in refereed journal in local and international level, 3 proceedings articles, 8 abstracts in conferences and seminars. Besides the academic publications, he also actively contribute several articles for the local newspaper in order to ease public to understand some complex environmental issues. Between 2013 and 2017, he has secured several research grant amounted approximately RM457,400.00 from the Ministry of Higher Education (MOHE) studying various aspects of environmental studies. He has involved in the international research collaboration with the counterparts from Hokkaido University under the research grant funded by Japan Society Promotion of Science (JSPS) amounted JPY 11,500,000.00 (RM432,850.00). He also lead a group of young researchers to grab the research grant from Jabatan Taman Laut Malaysia amounted RM60,00.00.

My research interests are in the field of marine environmental toxicology. This field covers the study of pollutants' toxicological impact on marine organisms which includes research on marine microalgae, pollutants level and pollutants fate in the marine environments. The major product from my PhD research was a laboratory scale continuous culture system used to simulate oil spill effects on marine phytoplankton. My current research focuses on issues related to ballast water. These include the formulation of ballast water sampling strategy, the determination of physico-chemical parameters, species and pollutants contents in ballast water, as well as baseline study on biological and environmental aspects of major ports and coastal waters of Malaysia. Other research interests include the study of the impact of anthropogenic geomorphological changes on biogeochemical processes of nutrients and heavy metal in the river estuarine environment; plankton distribution and composition at coastal waters in relation to coastal water upwelling.

FIELD
Marine Geochemistry

EXPERTISE
Paleoenvironmental Studies

SPECIALIZATION
Organic Biomarkers, Inorganic Markers, Sedimentology

FIELD
Marine Science

EXPERTISE
Marine Ecotoxicology

SPECIALIZATION
Marine Pollution, Microalgae Toxicology, Ballast Water Pollution

PROFESSIONAL MEMBERSHIP
- ANALIS
- Persatuan Geologi Kebangsaan
- European Geological Union

NETWORKING & RESEARCH COLLABORATION
- University of Hokkaido, Japan
- Tongji University, China
- National Taiwan Ocean University, Taiwan

- Malaysian Maritime Academy (ALAM)
- Universiti Teknologi Malaysia (UTM)
- Ministry of Transport
- Marine Department Malaysia
- Johor Port Authority

PUBLICATION
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B.A Hons (UFR Tours) M.Env Mgmt (UKM) PhD. (Edinburgh)

My 7 years experience of working in various institutions, both local and international with all levels of stakeholders prior to joining the academia had provided me with the opportunity to handle different projects that involved environmental management and nature conservation. My decision to join the academia was made with hope to contribute towards closing the gap that I found to exist between what is called "real" sciences and social sciences in these important fields. Since joining the academia in late 2005, my work has therefore concentrated on the application of social science in biodiversity-related research to support sensitive ecosystem management and sustainable development. I have experience and ongoing research interests in Ecosystems Management and Sustainable Livelihoods in coastal areas as well as in Marine Protected Areas, focusing on human ecology, biodiversity conservation, and societal benefits. My role in the School of Marine and Environmental Sciences is to promote and assist in the integration of social sciences into oceanographic and environmental researches, with hope to one day see a strong community of marine social scientists established in Malaysia.

Geography
Human Geography
Human Ecology, Livelihoods, Local Ecological Knowledge

- Society of Conservation Biology
- International Sea Turtle Society

- Universiti Kebangsaan Malaysia
- Heriot-Watt University, Scotland
- University of Kyoto, Japan
- University of Rennes, France

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LEE JEN NIE
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BSc., PhD. (UKM)

I have been involved in several monitoring and ecological impacts assessment grants and have a long and close relationship with the local government agencies, especially Department of Marine Park Malaysia (DMPM). Current research focus on coral reefs changes using sclerochronology, geochemistry and climate change and episodic events. Previous and on-going projects at several coral reefs around Malaysia (e.g. Payar, Port Dickson, Redang, Aur, Tinggi, Tenggol and Tioman). Outcomes of my research projects and and management consultation range in variety of scientific journal, and government related documents – including two policy/management documents with DMPM for marine biodiversity, and carrying capacity of the marine park in Malaysia. I've also work with local communities to enhance the coral reef conservation efforts using artificial reefs and nursery pool at Pulau Langkawi, Malaysia.

Marine Science
Paleoecology
Coral reef ecology, Sclerochonology, Climate change

- Malaysian Society of Marine Science
- Asia Pacific Coral Reef Society

- National University of Singapore
- Nanyang Technological University of Singapore
- National Sun Yat-Sen University, Taiwan
- Atmosphere and Ocean Research Institute, The Univesity of Tokyo, Japan
- National Museum of Marine Biology and Aquarium, Taiwan

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc (UMT)

PhD. (UTAS)

BSc. (Hons), MSc., PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Fundamentally, I am a taxonomist (classical), of which my research interest was predominantly studying the taxonomy and phylogeny (morphological and molecular) of parasitic crustaceans (Isopoda: Cymothoidae), which my research contributed towards the review of buccal-attaching cymothoid genera from fishes in Australian waters. Currently, that research has broadened towards elucidating the diversity and ecology of other isopods (free-living, scavenging, predatory, etc.), crustaceans (particularly of non-commercial or conservation status) and marine macro-invertebrates in Malaysian waters (with current focus in Terengganu. Additionally, I enjoy research-related work on marine parasitology (fish and invertebrate), and a growing interest towards understanding other symbiotic relationships of marine associated invertebrates. I am sincerely grateful that a number of my works have been sponsored funders and expeditions by the Australian Society for Parasitology Researcher Exchange, Training and Travel Award Funding Assistance; Museum Geddes Postgraduate Award; Knowledge & Technology Assimilation Grant (KTAG) Scheme; and the EEZ ECPM Offshore Demersal Survey Cruise on MV SEAFDEC2, South China Sea.

After a few years involved in a conservation NGO, I realized that sustainable development and ecosystem conservation is not an easy tasks. Managing the environment need a multidisciplinary approaches that require detail understanding of ecological network that support the biodiversity and ecosystem services functioning. There a numerous studies in ecosystem functioning and processes but results from these studies are barely applied in environmental management due to its arduous methods and uncontrollable variables. Public participation and capacity building of locals are the main challenges that need to be tackled. Hence, there is a need to develop an easier approach or tools for fast results and practical use. My research interest is focused on the environmental changes and ecosystem resilience in response to climate changes. This field of research is essential to facilitate environment management for sustainable use of natural resources and ecosystem rehabilitation. Ecosystems affected by climate change or other anthropogenic action need to be rehabilitated as to maintain its benefits that we rely on. Hence, my research varies widely in conservation and rehabilitation that not only ecology but also economic. I truly believe that application of scientific knowledge in rehabilitation and management of the environment can be made simple with easier tools or approaches that can help public understanding and acceptance. Other research interests I will explore is socio-economic relationship of natural resources and ecosystem modelling to enhance knowledge and skills in sustainable and efficient environmental management.

FIELD	Marine Biology	Ecology
EXPERTISE	Fish Parasitology	Soil rehabilitation
SPECIALIZATION	Systematics (Taxonomy, Molecular Phylogenetics, Morphological Phylogenetics), Crustaceans (Isopoda: Cymothoidae)	Environmental management, Phytoremediation, Forest ecosystem

PROFESSIONAL MEMBERSHIP

- Australian Society for Fish Parasitology
- European Association of Fish Pathologists
- Malaysian Nature Society
- World Wide Foundation
- Malaysian Nature Society
- Persatuan Ekologi Malaysia

NETWORKING & RESEARCH COLLABORATION

- Museum of Tropical Queensland, Townsville
- Australian Museum, Sydney
- The South African Institute for Aquatic Biodiversity, Grahamstown
- University of Tasmania
- World Wide Fund (WWF) Malaysia

PUBLICATION

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BSc. (UiTM) | MSc. (UKM) | Ph.D. (Glasgow)

My research is focused in the field of bio-prospecting of natural products from Malaysian mangrove and marine endophytic fungi. The production of the drugs from plant sources is unsustainable and un-economical; thus, the discovery of drugs from Malaysian marine endophytic fungi of which the majority remains untapped can provide a pipeline of new pharmaceuticals with potent pharmacological properties. Selection of prospective endophytic strains usually depend on literature surveys, genetic screening and bioactivity results, often without acknowledging the chemical uniqueness being produced by the microorganism prior to time-consuming bioassay-guided isolation steps. Therefore, I have been using metabolomic tools to optimise the production of biologically active secondary metabolites in marine endophytes to rapidly explore diversity and chemical uniqueness in the extracts from different strains inoculated in both solid rice and liquid culture media at different growth stages to facilitate the selection of potential strain and best fermentation conditions to produce bioactive metabolites for antibacterial and anti-inflammatory discovery.

Natural Products
Natural Products
Metabolomics, Phytochemistry, Mangrove plants Endophytic fungi

- Metabolomics Society
- GA Society
- Malaysian Natural Products Society

- University of Strathclyde, Glasgow
- MARDI, Serdang, Selangor
- Cyberjaya University College of Medical Sciences, Cyberjaya

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BSc., MEng. (UPM) | PhD. (UKM)

My research interests lie in the field of air pollution and human health. My work in air pollution deals with 1) indoor and outdoor airborne particles and their inorganic and organic constituents, 2) indoor and outdoor air quality, with emphasis on source characterization, 3) assessment of population exposures to air pollutants that occur in microenvironments such as schools, nurseries, offices, as well as in the outdoor environment. Among other pollutants, particulate matter (PM) has become an important air pollutant due to its impact on human and the environment. Thus, it is important to understand the chemical, physical and biological processes which influence their composition and assess how they may change in the future. Previously, my research group and I collected particles (coarse (PM10), fine (PM2.5) PM and settled dust) samples from various backgrounds, analysed their chemical composition, quantified source contributions and assessed potential health risks of exposure to some pollutants. The air quality research have been conducted in various backgrounds including microenvironment such as school. Because children (known as sensitive population) spend most of their time in school environment, knowledge on pollution level, composition and potential health risk are essential in order to protect the school children from harmful pollutants and the implementation of corrective measures if necessary. I also have interest in understanding of how coastal pollution (air and water) affects the particles and gas emitted over the coast, as well as the effects on climate and human health. The knowledge of their effects on climate is needed in order to design and implement air pollution reduction policy or regulations.

Environmental Science
Air Pollution
Air Quality (Indoor & Outdoor), Atmospheric Chemistry

- Universiti Kebangsaan Malaysia
- Universiti Sains Malaysia
- Universiti Pendidikan Sultan Idris

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CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

BSc., MSc. (UM)	BSc., MSc. (USM)
PhD. (UTM)	PhD. (Bristol)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Nor Bakhiah is a lecturer at the School of Marine and Environmental Science in Universiti Malaysia Terengganu. She have finished PhD in 2015, studying on the application of stable isotope and radioisotope for lake ecosystem dynamic. Currently she was appointed as a research member of project IAEA (RAS 7030) entitled *"Assessing Deep Groundwater Resources for Sustainable Management through Utilization of Isotopic Techniques"*. The aim of this research is to understand the role of hydrological cycle to underscores water resources and management in Terengganu River Basin.

My reseach interests lie in animal ecology, particularly in ecosystem services by mammals. Currently, I'm working on the ecology of vertebrats (bats, birds, rats, squirrels etc.) as pollinating and seed dispersal agents. The interaction between plant-pollinator and plant-disperser are among the most important functional relationship in many ecosystems. In these mutualisms, the animals are very important ecosystem engineers in which they determine ecosystem structure of the habitat they live. In tropical forest, information regarding the ecology of pollination and seed dispersal mutualism however is very limited. While the direct and indirect effects of these animals on ecosystem functions and services are poorly quantified, more and more animal species are moving toward extinction every year from continued disappearance of habitat and overexploitation of wildlife.

FIELD	Hydrogeology	Ecology
EXPERTISE	Hydrogeochemistry	Vertebrate Ecology
SPECIALIZATION	Geochemistry, Tracer element	Vertebrate Pollination

PROFESSIONAL MEMBERSHIP

- International Association of Hydrogeologist
- Board of Geology Malaysia
- Malaysia Society of Applied Biology
- Association for Tropical Biology & Conservation
- Society for Conservation Biology

NETWORKING & RESEARCH COLLABORATION

- Nuclear Agency, Malaysia
- Universiti Malaysia Pahang
- Universiti Techonology Malaysia
- Universiti Sains Malaysia
- Universiti Kebangsaan Malaysia
- University of Bristol, UK

PUBLICATION

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B.Appl.Sc., MSc. (USM)

PhD. (Bristol)

I am always fascinate with the unique communication system and complex behaviour of social insects (e.g. ants, bees, wasps, termites). These social insects live together with up to hundred thousand members in a single colony and yet they are able to organize and maintain their colonies with very little conflict. These successful communication behaviour and cooperative working enable the social insects such as ants to become an example of the super-organism. Social insects are also an important model for researchers in various field to study and understand the mechanism of collective decision making and social networking. Hence, during my Ph.D I studied communication behaviour and navigation of social insects in the Ant Lab, University of Bristol under the supervision of Professor Nigel R Franks (now Professor Emeritus) and Associate Professor Dr. Ana Sendova-Franks. I used ant colonies known as the rock ant (*Temnothorax albipennis*) as a model of my research. I looked at the mechanism of one-to-one recruitment system, known as tandem running, during colony emigration. I also looked at the ant's navigational modalities during tandem running and when running alone. The behaviour of social insects are robust and many species are yet to be studied especially since there are diverse species of social insects that can be found in Malaysia. Hence, I am now continuing my research on the communication and foraging behaviour of social insects, particularly ants and bees. During my B.Appl.Sc and M.Sc degree, I conducted research on the foraging activity of fire ant (*Solenopsis geminata*) and the seasonal abundance of structure-infesting ants under the supervision of Professor Dr. Abu Hassan Ahmad in Medical Entomology Laboratory, USM. Hence, part of my research interest is also on pest insects, looking at the species composition, seasonal abundance and control method.

Biology
Entomology
Insects Behaviour, Social Insects Communication and Navigation, Insect-Pest Management

- Ichthyological Society of Japan
- Marine Biology Association of United Kingdom
- Malaysian Fisheries Society
- Asean Fisheries Society

- Bristol University
- Universiti Sains Malaysia
- TDM Plantation Sdn. Bhd.
- GM Agro Farm

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BSc., MSc., PhD. (USM)

My research focuses on the ecology of vertebrate animals especially small mammals (including volant and non-volant small mammals) and birds. I also study their distribution and habitat suitability using Geographical Information System (GIS). Studies on vertebrate ecology are important to understand the global conservation needs for vertebrate community. Furthermore, my research also includes the study of foraging behaviour of volant small mammals in both nature and captive conditions. The response of *Cynopterus sphinx* (Greater Short-nosed Fruit Bat) to different experimental variables in a captive room was determined. Currently, I am studying the community-based conservation strategy that involves local communities in Terengganu to determine their knowledge, attitudes, perceptions and conservation awareness toward small mammals especially bats. This finding is very crucial since the population of bats has declined from year to year caused by human activities such as hunting, logging activities and habitat fragmentation. Besides that, I am also studying the potential of small mammals as the main reservoir of leptospirosis. Leptospirosis is a zoonotic disease caused by the pathogenic *Leptospira spp.* This disease can be easily transmitted when humans as well as animals get frequently into contact with reservoir animals and contaminated environments. In humans, leptospirosis is presented with a wide range of symptoms including high fever, headache, muscle aches, vomiting, jaundice, red eyes, abdominal pain; several of these symptoms are closely related to other disease. The knowledge, attitudes and perceptions of visitors at recreational areas in Terengganu towards Leptospirosis was also determined in order to increase their awareness about this disease.

Vertebrate Ecology
Small mammal and Bird Ecology
Small mammal and Bird Distribution, Bat Behaviour

- Association for Tropical Biology and Conservation
- Malaysian Society of Applied Biology

- University of Kyoto, Japan
- Indian Institute of Science, India
- National Institute of Amazonian Research, Brazil

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BAppSc. (KUSTEM) MSc. (Canterbury) PhD. (Brunei)	BSc., MSc. (UMT) PhD. (Tasmania)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is based on invertebrate especially tropical gastropods (Prosobranchia & Pulmonata) – model of ectothermal animals are vulnerable to climate warming. I am interested in the gastropods physiological performance, behavioural, acclimation and or adaptation in prediction of future increases of global temperature. This is in relation to mainstream theories that tropical ectotherm lives close to their lethal limits and are restricted in capacity to thermally acclimate these limits. Factors such as microhabitats, environmental temperature as well as phylogenies of these gastropods may have effects to their physiological performance. Through synthesizing these factors, we will be able to understand the generality of predicted climatic vulnerability and whether this can be applied to tropical ectotherms especially gastropods. This will provide a comprehensive understanding as how semi-terrestrial and marine will respond to ecological and climate warming.
I am interested to explore on behavioural and physiological adaptations of tropical gastropods which includes marine, freshwater, mangrove as well as terrestrial with emphasis on their vulnerability in terms of global change and climate warming. I am also happy to work on marine ecological systems and contribution to the above theories.

My research interest is focused on the taxonomy, ecology and physiology of salps, doliolids and harpacticoid copepod. First taxonomical reports on salps and doliolids has been recorded for the first time in Malaysia in 2018 to kick-start my research in the ecology of Thaliaceans in Malaysian Waters and their physiology in response to environmental changes. Their food preferences were elucidated through gut content analysis with scanning electron microscopy (SEM), high-performance liquid chromatography (HPLC) and stable isotope analyses (SIA) to describe their diets under field conditions. Salps and doliolids are useful indicators of climate change, as their physiology is strongly coupled to temperature. If the long-term warming trends continue the zooplankton community might shift from being crustacean dominated to Thaliacean-dominated, which has important implications for energy transfer up the food chain and, ultimately, fisheries stocks. Other research interests I have explored in the past few years were the taxonomy and ultrastructure of harpacticoid copepods from Peninsular Malaysia.

FIELD	Invertebrate Zoology	Biological Oceanography
EXPERTISE	Malacology	Marine Biology, Marine Ecology, Zooplankton, Zooplankton Taxonomy
SPECIALIZATION	Gastropods biology, ecology, physiology & behavioural response to thermal stress, Marine community ecology, Climate change biology	Salp, Doliolid, Harpacticoid

PROFESSIONAL MEMBERSHIP

- Unitas Malacologica
- Southeast Asian Malacological Society
- American Association for Advancement of Science
- Malaysian Society of Marine Sciences
- Malaysian Society of Applied Biology
- World Association of Copepodologists
- Estuarine & Coastal Sciences Association ECSA
- Malaysian Society of Marine Sciences

NETWORKING & RESEARCH COLLABORATION

- Universiti Brunei Darussalam
- The University of Tokyo, Japan
- Soka University, Japan

PUBLICATION

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BSc., MSc. (UM)

PhD. (Essex)

I am a marine and freshwater ecologist, who particularly interested in the contributions of both phytoplankton and microphytobenthic (MPB) organisms in maintaining the tidal flat and mangrove ecosystems as important ecosystem services. Located at the base of food chains, phytoplankton and MPB are also vital in making sure the intertidal flats can play their roles as an important ecosystem services to human. Therefore, the key objective of my research must be to characterize the occurrence of these microorganisms in the ecosystems as part of monitoring activity. Also, studies on the effect of weather-related abiotic factors, intertidal flat geomorphology and the rise of sea level on the diversity and the occurrence of the organisms can potentially provide informative outputs on how to conserve the organisms and also help to maintain the health of the intertidal flats. MPB and phytoplankton have been proven to inter- connected via the sediment-water column exchanges under the influence of abiotic factors across tidal variation (my current research). Studies on the exchanges potentially provide information on sediment resuspension in the intertidal flat during immersion periods which consequently will benefit studies on sediment erosion on this ecosystem. Therefore, my other research interest is to investigate the contribution of phytoplankton and MPB in increasing the erosion threshold of sediment, which perhaps could be done in situ or ex situ.

Diatom (planktonic and benthic)

Diatom ecology

Phycology, Microphytobenthic ecology, Phytoplankton ecology, Forensic limnology (new)

- British Diatomists
- Aquatic Sciences and Limnological Organization (ASLO)

- University of Essex, UK
- University of Malaya, Malaysia

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BSc. (Malaya)

MSc. (UKM)

PhD. (Kent)

My research activities revolve around the conservation of threatened species, with a particular focus on population ecology of amphibians and reptiles. Although it is widely acknowledged that amphibians may be declining faster than other vertebrate classes, the threats that they face are diverse and complex. Recent global declines have emphasized the need for long-term, large scale monitoring programmes. Understanding these threats and their impact on population dynamics is an essential first step in designing effective tools to neutralize them. My previous work explored how climatic factors influenced the dynamics of an amphibian metapopulation in temperate region over 19 years through interactions with survival, recruitment and dispersal. Other research I have focused in the past few years were the spatial and temporal variation of amphibian assemblage in lowland tropical forest. My current research project is focussing on assessment of riparian and non-riparian ecosystem on amphibians in oil palm plantation in Terengganu, peninsular Malaysia.

Herpetology

Ecology, Species abundance and distribution

Population, community and behavioural ecology, Global amphibian declines and extinctions, Conservation of reptiles

- British Ecological Society

- Universiti Kebangsaan Malaysia
- University of Kent, UK

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EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (UMT)	Dip., BSc., MSc. (UPM)
MSc. (IIUM)	PhD. (Dundee)
PhD. (Kagoshima)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

Fisheries is a promising industry and important commodity for coastal countries such as Malaysia. Due to their importance, the accumulation level of xenobiotic compounds should be study and monitored. Endocrine disrupting chemicals (EDC), a type of xenobiotic compound that proven to cause reproduction impairment in fish. I have been working on alkylphenol and natural estrogen (EDC) to investigate the bioaccumulation through dietary, water and sedimentary uptake. Following the published works, I am looking forward to study on the mechanism as well as the metabolism of endocrine disrupting chemicals through toxicological approach. This research required detail understanding of fishes biology and physiology as well as specific organ function. Investigation of mechanism and metabolism will provide a clear picture of mode of action, hence understanding the transfer and fate of compounds in fish. Investigation of xenobiotic mechanism is crucial in field sample, but the results might be uncertain due to various factors that contribute to specific effects in fish. Thus, toxicity test on model organism under laboratory control environment generally conducted as validation of the finding. These approaches provides the keys of understanding especially on the transfer and fate of potential harmful compounds into the food chain while guarantee the food security. In the near future, I am looking forward to implement new model organism (microbe) for toxicity test and collaborating with chemical analyst to develop biosensors for xenobiotic compound detector in fish.

My research interest is focused on remote sensing and geographic information systems (GIS) application and underwater mapping technology using multibeam eco-sounder. The research includes net primary productivity (NPP), land cover mapping, land use changes and from to changes analysis using remote sensing and GIS. My recent research focused on mapping natural reef (*Teranas*), artificial reef and marine habitat using multibeam eco-sounder. The information on the seabed profile, benthic composition and biological resources within the protected area would require to ensure the successful of the marine protected areas (MPA) function. This study is significantly important for understanding all the benthic characteristics as well as seabed profiles that needed in order to optimize the management effort of this MPA. Other research interests I have explored were bottom current circulation and sediment characteristics using multibeam eco-sounder.

FIELD	Marine and Environmental Science	Remote Sensing & GIS
EXPERTISE	Aquatic Toxicology (Fish)	Remote Sensing & GIS Application, Underwater Mapping Technology
SPECIALIZATION	Endocrine Disrupting Chemicals, Metals, Sedimentology	Underwater Mapping Structure, Net Primary Productivity (NPP), Land Cover Mapping, Land Use Changes
PROFESSIONAL MEMBERSHIP	Malaysian Analytical Sciences Society	• Institution of Geospatial and Remote Sensing Malaysia • Malaysian Hydrographic Society • The Institute of Marine Engineering, Science & Technology (IMAREST) • Sahabat Laut Malaysia (SELAM) • Malaysian Remote Sensing Society
NETWORKING & RESEARCH COLLABORATION	Kagoshima University, Japan	• World Wide Fund for Nature (WWF) Malaysia • Venator Asia Sdn. Bhd. • Department of Fisheries Malaysia • Marine Department Malaysia • Department of Marine Park Malaysia • Johor Port Authority • Institut Latihan Pentadbiran dan Pengurusan Pengangkutan Laut (ILPPPL) • Petronas Carigali Sdn. Bhd.
PUBLICATION	Scopus ID : 46461761600 Researchgate : Nurulnadia My Google Scholar : Mohd Yusoff Nurulnadia	• Scopus ID : 36009699600 • Researchgate : Razak Zakariya

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BSc. (UPM) MSc. (UKM) PhD. (Groningen)

My research interest is in understanding how vegetation influence the biogeochemical cycles in terrestrial and aquatic ecosystem. Our research group is currently working with the decomposition and nutrient cycle in coastal vegetation. This is important since coastal area in this region is under a serious threat due to natural and anthropogenic disturbances. The current research is to determine the carbon content in the litter and soil in order to understand whether this ecosystem is likely to act as a sink or source for carbon in the near future. Besides that, I also have a grow interest on the distribution of epiphytic plants. This plant-type is still understudied despite of its distribution concentrated at the wet tropics. Information about the epiphyte's distribution can help us to understand more on the ecosystem dynamics since this plant is sensitive to the environmental changes.

Botany
Plant Ecology
Plant-soil relation, Population ecology

- Association for Tropical Biology & Conservation
- International Mire Conservation Group
- Malaysian Nature Society

- University of Amsterdam, Netherland
- Soka University, Japan
- The National University of Malaysia

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BSc. (KUSTEM) PhD. (UMEÅ)

My research interests concern zooplankton physiology mainly copepods in marine ecosystem involving a combination of experimental lab work and field studies. Much of my current work focuses on composition and distribution of phytoplankton and zooplankton in Southern South China Sea and using calanoid copepods such as *Acartia* sp. and *Centropages* sp. to elucidate their physiology (reproduction activity, fecal pellet production, ingestion and respiration rate) and its relation to food availability and quality such as fatty acid composition in different food variation. I am also committed in investigating the microplastic ingestion in major zooplankton group using digestion method and experimentally study the effect of synthetic and biodegradable microplastic on the life cycle and physiology of cultured harpacticoid copepod in the laboratory.

Marine Biology, Ecology
Plankton Ecophysiology
Zooplankton Physiology, Marine Productivity

- Estuaries, Coastal & Shelf Association (ECSA)

- Umeå Marine Science Centre, Umeå University

- Scopus ID : 37111030200
- Researchgate : Md Amin R.
- Google Scholar : Roswati Md Amin

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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SENG CHEE, POH
Dr.

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EDUCATION

BSc., MSc. (UKM)	BSc., MSc. (UMT)
PhD. (UTM)	PhD. (Queensland)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My main research interests are focused on analytical chemistry with specialization in the investigation of new approaches for micro-scale extraction techniques. These include the development of solvent-minimized extraction techniques and green materials based extraction. These techniques are mainly applied to aqueous environmental and food samples. The pollutants of current interest include mycotoxins, persistent organic pollutants, etc. I also involve in other collaborative research such as development of oil extraction and fatty acid analysis methods using microalgae as sample. The ultimate aim is to process the microalgae into feed and food as well for biofuel application.

Many studies have shown that submarine groundwater discharge (SGD) contributed significant amount of nutrients to near-shore environment, but, there are big knowledge gaps on the groundwater conditions and processes beneath the continental shelves further offshore. My research focuses mainly on the South China Sea, where I am working to determine the SGD and its associated chemical loading from a single sub-catchment to basin and reef scales. I believe that improved knowledge on SGD transport mechanisms and its influence on the biogeochemical processes in oceans will help to protect the quality of the marine ecosystem. Tropical coral reefs in SCS are vital building blocks in the marine ecosystem by offer habitats for a wide array of marine organisms. More important coral reefs also support the livelihoods of over billion peoples in this region, particularly for ASEAN countries, where coastal fishing activities remain as important revenue to those countries. One the greatest threats that coral reefs face is coral bleaching that lead to coral reef destruction. As global warming warms the planet, bleaching events have become common, particular in tropical region of SCS. Although natural disturbances (climate change) can have massive impacts on the entire reefs system, human activities (coastal development, pollution and overfishing) has been linked to the destruction of nearshore coral reefs. Indeed, these threats need to be mitigated immediately. My research on this topic mainly focus to assess marine acidification and eutrophication effects on the coastal ecosystem in the SCS. The Ultimate outcomes from this research is to identify the external pressures of the coral reefs in the SCS, to evaluate the health status of coral reefs and resilience toward natural and human-induced variability, and put forward the conservation and management countermeasures.

FIELD	Chemistry	Chemistry
EXPERTISE	Analytical Chemistry	Environmental Chemistry, Chemical Oceanography
SPECIALIZATION	Chromatography, Separation Techniques, Green Material	Water Quality, Biogeochemical process

PROFESSIONAL MEMBERSHIP

- Malaysian Institute of Chemistry
- Malaysian Analytical Sciences Society
- The Royal Society of Chemistry

- The Malaysian Institute of Chemistry
- Estuaries, Coastal & Shelf Association (ECSA)

NETWORKING & RESEARCH COLLABORATION

- Universiti Sains Malaysia
- Satreps-Cosmos international collaborative research

- Water Studies Center, School of Chemistry, Monash University
- Third Institute of Oceanography, China
- Earth Observatory of Singapore, Nanyang Technological University
- IOC-WESTPAC Ocean Acidification working group
- IOC-WESTPAC Upwelling Studies working group

PUBLICATION

- Scopus ID : 36930703900
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BSc. (KUSTEM) MSc. (UKM) PhD. (UTM)

My research interest is focused on the synthetic and structural inorganic chemistry, mainly in coordination compounds, particularly with Schiff base ligands. Research activities include the synthesis and designing new donor ligands potentially bind with selected metals as well as the determination structural studies using spectroscopic and X-ray crystallography techniques. Metal complexes prepared include those of transition group such as palladium(II), copper(II) and nickel(II). Current research interest is in development of supported metal catalysts significantly for organic synthesis. Polymer and magnetite support materials have been introduced for the catalytic system with immobilization or functionalization approached. The prepared supported catalysts for important organic transformation and photodegration reaction. Other research area of interest is in the synthesis and biological application for antibacterial or antifungi agents.

Chemistry
Inorganic Chemistry
Coordination Chemistry, Catalysis

- Malaysian Institute of Chemistry

- Universiti Teknologi Malaysia
- University of Malaya

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BSc., MSc. (UMT) PhD. (Cork)

My research interest is focused on the oxidative stress response in marine organism. Environmental (changing temperature, pH, hypoxic, osmotic) and anthropogenic pollutants (endocrine disruptor, pharmaceutical waste, heavy metals, nanomaterial) could trigger the imbalance of cellular redox and increased the production of reactive oxygen species (ROS). I use various methods to reveal redox lesions in proteins (carbonylation, thiol oxidation etc) in response to exposure to different stressors. This advance knowledge need essential biochemistry and omics understanding to uncover the pathways behind these cellular processes. Redox proteomics used as tools to explore the abundance of protein and their post-translational modification and these will lead to characterization of the biological/ cellular effects of different stressors and identified the changes protein especially protein that involved during post-translational modifications. My current research interest is investigating redox proteomics and ROS changes in the corals tissues and its symbiont. These involved enzymatic cocktails measurement such as GST, GR, SOD and Catalase. These experimental methods (proteomics and enzymatic measurement) provide details understanding and emphasize the importance of signaling events during environmental change.

Marine Biotechnology
Proteomics
Oxidative stress, Redox proteomics, Proteotoxicity, Protein ecotoxicology

- Microscopy Society Malaysia
- Biochemical Society; Advance Molecular Bioscience
- Society of Environmental Toxicology and Chemistry Asia/Pacific

- University College Cork, Ireland
- University of Padova, Italy
- Stazione Zoologica Anton Dohrn Napoli, Italy
- University of Kagoshima, Japan
- Kasetsart University, Thailand

- Scopus ID : 56581692300
- Researchgate : Tahirah Jaafar
- Google Scholar : Dr Siti Nurtahirah Jaafar

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

BSc.(UM)	PhD. (Bristol)
BSc., MSc. (UMT)	PhD. (Nottingham)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is to investigate the potential of soil lipids associated with the decomposition event of a buried cadaver in terrestrial soil systems. Locating a clandestine grave and determining the postmortem interval (PMI) are important in every death investigation to revealed the identity of the victim or/and criminals. However, the existing techniques to perform these forensic works are susceptible to range of errors and biases. These works are extremely difficult and challenging especially for the cases of many years old and involve a buried body as an abundance of variables have to be taken into consideration. The DNA testing can be used to establish the identity of the deceased for the cases where human remains in skeleton was recovered during searching, but, the employment of DNA analysis is not possible in some forensic cases, particularly for remains that badly decomposed. As inhumation has been recognised as one of the common methods to destroy the evidence of the crime, hence, an alternative approach that would provide crucial information to reconstruct the events surrounding a person's death is urgently required. Literally, there is no one method can be used to locate the clandestine grave and to estimate PMI for all conditions and environments. The designed research will utilise macroscopic, microscopic, molecular and chemical analyses to systematically document the decomposition changes in different burial environments. Soils from simulated burial experiments and crime scenes will be collected and analysed, applying a range of elemental and molecular analyses to detect high concentration of cadaveric materials that may distinct from the chemical background of the soils. The obtained cadaveric 'burial fingerprints' then will be developed as a forensic tool to locate clandestine graves and estimate the PMI.

Being in biomedical sciences and biotechnology field for a decade has strengthen my knowledge in various field particularly on the utilization of natural resources for pharmaceutical and nutraceutical uses. This includes the discovery of new pharmaceutical candidates from marine resources such as from coastal plants (mangrove trees, *Vitex* sp, *Ipomea* sp), planktonic (jellyfish such as *Rhopilema* sp & *Lobonema* smithi), marine microorganisms (bacterial associated with coral/marine organisms), macroalgae (seaweeds) and benthic organisms (sea cucumbers). 70% of earth's surface is covered with water but the research into pharmacology on marine organism is limited, and most of it still remains unexplored. Thus, my research subject are mostly from the marine resources which focus on anti-inflammatory, anti-diabetic, anti-oxidant, anti-cancer, toxicity study of new substances using rodent and fish embryo model, wound healing promoter and potential new antibacterial agent. These research are integrating biotechnology and biomedical approaches which can also be applied into marine biology research such as in vitro and in vivo study, histology technique, microbiology, gene expression (qRT-PCR), ELISA and immunohistochemistry. Currently we are using carrageenan (seaweed agar) and bacterial toxin lipopolysaccharides (LPS) to induce inflammation in animal and cells model. These inflammogens are known to trigger intracellular signalling pathways (Toll-Like Receptor 4) which lead to the upregulation of genes encoding and the eventual release of pro-inflammatory molecules such as cytokines and chemokines. Therefore, in UMT we are interested to look at the potential of marine resources to treat the TLR-induced inflammation and pain in skin and cell culture assays rather than using classic synthetic pharmaceuticals drugs. In addition, I'm also interested to study the association of immune cells particularly polymorphonuclear leukocytes (PMNs) and the role of peroxisome proliferator-activated receptors (PPARs) ligand-activated transcription factors in the generation of inflammation and disease.

FIELD	Chemistry	Biomedical Science, Biotechnology
EXPERTISE	Analytical Chemistry	Immunology, Cell Signalling
SPECIALIZATION	Terrestrial soil Forensic	Marine Biotechnology, Drug Discovery, Histopathology, Natural product, Inflammation Study, *In vitro* & *In vivo* models

PROFESSIONAL MEMBERSHIP

- Malaysian Institute of Chemistry
- Asian Federation of Biotechnology (AFOB) – MY00599
- Malaysian Association of Veterinary Pathology (MAVP) –MAVP/223

NETWORKING & RESEARCH COLLABORATION

- Royal Malaysia Police (RMP)
- University of Bristol, United Kingdom
- Universiti Teknologi Mara, Kuala Lumpur, Malaysia
- University of Nottingham, United Kingdom
- Universiti Sains Malaysia (USM), Malaysia

PUBLICATION

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- Google Scholar : Dr Siti Sofo Ismail
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BSc. (KUSTEM) | MSc. (UKM) | PhD. (Alberta)

Our research group focuses on understanding the reaction and catalysis in fats and oils modifications. We are also aiming to create a marine fatty acid database that will increase the understanding in lipid classes of marine organism. The program also involves developing novel analytical methods to solve emerging problems in analytical chemistry, especially in fatty acid analysis and profiling for marine-based lipid. One of our funded project (FRGS) under this programs is to develop a novel solid support for the enzyme attachment for the new generation of μ-TAS system in an analytical scale lipid transesterification reaction. We employ a combination of techniques, including analytical lipid chemistry, enzymology, biotechnology, kinetics, surface chemistry, and theoretical appraches in designing the approach in collaboration with other experts. I am also currently involve in a RIG for Microplastic Study (Microplastic Research Interest Group – MRIG) and Research Network on Microplastic Pollution for IOC-WESTPAC. This study focuses on the quantitation, characterization and method development for microplastics analysis and marine debris in order to identify the path and fate of this emerging pollutants in the food web.

Chemistry
Analytical Chemistry
Lipid Analysis, Microplastics, Microreactions

- Persatuan Kimia Analisis Malaysia (ANALIS)
- American Oil Chemists' Society (AOCS)

- Grant McEwan University, Canada
- University of Kagoshima, Japan
- University Malaya, Malaysia
- Universiti Kebangsaan Malaysia, Malaysia
- Universiti Sains Malaysia, Malaysia

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BSc., MSc. (UMT) | PhD. (James Cook)

My research interest revolved around coral reefs. I started my work on corals since 2002 and has particular interest in the biological aspects of coral and coral reefs. I studied the demographic traits (e.g., growth, mortality and reproduction) of coral population in the tropical reefs. Currently, I focus on the reproduction of hard corals especially the understanding of spawning season in tropical region. The reproduction of hard corals vary with species, location and could be affected by the environmental parameters. In order to examine the reproductive aspects, I have established multiple sites at reefs along the east and west coast of Peninsular Malaysia. Also, I examine the natural and anthropogenic threats on coral reefs. In particular, I investigate the variation in coral response towards the effects (e.g., elevated seawater temperature and ocean acidification) of climate change. My ultimate aim is to understand the resilience of coral community in tropical region under the synergistic pressures. On the other hand, I believed that scientific knowledge need to be shared with public. Therefore, I actively participate in giving open lecture and work closely with marine resource stakeholders to ensure science is being used effectively in decision making process. To date, I have successfully secured long term research grants from local and international agencies.

Marine Biology
Coral Ecology
Coral Reproduction, Population Demography, Scientific Diving

- International Society for Reef Studies
- Society for Conservation Biology
- Malaysian Nature Society
- Professional Association of Diving Instructors

- Academia Sinica, Taiwan
- James Cook University, Australia
- University of the Ryukyus, Japan
- Reef Check Malaysia
- World Wildlife Fund for Nature (Malaysia)

- Scopus ID : 56697730700
- Researchgate : Chun Hong Tan

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

BSc. (Hons), PhD. (UMS)

BSc. (UPM) | MSc. (UMT) | PhD. (Heriot-Watt)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest involves (i) Understanding the ecological chemistry of plants which influence the presence of chemotaxonomical markers, (ii) Isolation and elucidation of compounds from marine and terrestrial resources and (iii) Discovery of bioactive compounds thru various screening platform. It is exciting to learn and discover how amazing the nature functions in understanding human needs. With rapid urbanization, I strongly believe the need for sustainable biodiversity resources for the benefit of mankind. Thus, I focus on looking back to nature for discovery of new compounds that can be developed into drugs to fight antibiotic resistance, infectious disease and cancer.

My current research interests is to understand fundamental aspects of cellular and molecular tool related with pollution in microalgae which resulted in many problem for human health. These fundamental aspects include the mechanism of the microalgae in confining this environmental problem. Microalgae have unique ability to bind with metals and are the promising bioindicators. The use of cellular and molecular tools can provide early warnings of physiological alterations in organisms exposed to environmental stress or pollution. I use Mitogen-Activated Protein Kinases (MAPKs) such as p38 and JNK. These protein kinases are important amplifying molecules in the cell signaling cascades that can transduce stress signals into cellular responses. I am also interested in studying the genetic diversity of plant and invertebrate by using seed storage protein and DNA as a genetic marker, respectively.

FIELD	Conservation Biology	Biotechnology
EXPERTISE	Advancement in Biodiversity	Molecular Biology
SPECIALIZATION	Natural Product Chemistry, Phytochemistry, Ecological Chemistry, Instrumentation	Molecular Genetic, Protein-protein Interaction

PROFESSIONAL MEMBERSHIP

- Malaysian Society of Applied Biology
- MyJICA
- Malaysia Nature Society
- Malaysian Society of Applied Biology

NETWORKING & RESEARCH COLLABORATION

- The University of Tokyo, Japan
- Soka University, Japan
- National Institute of Pharmaceutical Education and Research (NIPER), India.
- Institute for Tropical Biology and Conservation (ITBC), Universiti Malaysia Sabah, Malaysia.
- Institute of Ocean and Earth Sciences (IOES), University Malaya, Malaysia.
- The University of Tokyo, Japan
- Soka University, Japan

PUBLICATION

- Scopus ID : 54409252800
- Researchgate : Thilahgavani Nagappan
- Google Scholar : thilahgavani nagappan
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BSc. (UMT)

MSc., PhD. (UKM)

My research works connected to main discipline namely analytical chemistry and environmental analysis. The core subject dealing with water quality and ecosystem health. A wide range of classes of pollutant (metal species, pharmaceutically active compounds residue, pesticide) and fundamental water quality assessment has always become the first choice. The research framework was aimed to understand the fate of pollutant in a diverse aquatic ecosystem and how it mobility of pollutant will affect the deterioration of water quality. Pattern recognition and statistical tool used to tackle the main hypothesis. Other research interests I have explored in the past few years were the abundance, distribution and fate of microplastics. The emergence of microplastics in environmental matrices such as water, sediment and biota is always a great concern.

Analytical Chemistry
Environmental Trace Analysis
Method Development, Chemometric

- Malaysian Analytical Sciences Society (ANALIS)

- Centre for Water Research, Universiti Kebangsaan Malaysia
- Kasetsart University, Thailand
- Gwangju University Science and Technology, South Korea

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BSc., MSc. (UMT)

PhD. (Vienna)

My research interest is focused on the distribution pattern, microhabitat and taphonomy of benthic foraminifera. This field of research requires detail understanding of benthic foraminiferal ecology. I am also investigating the potential use of benthic foraminifera as indicators of climate change. I am currently working on a project that is investigating reef foraminifera as indicators of coral reefs resilience. Foraminifera are excellent biological indicators because they are relatively small and abundant which make them ideal for modeling and monitoring programs. The larger benthic foraminifera have symbiotic relationships with microalgae which therefore possess similar ecological requirements as reef building corals. The "FORAM" (Foraminifera in Reef Assessment and Monitoring) Index (FI) is among the efficient reef monitoring techniques available. The shift of foraminiferal assemblage close to the reef ecosystems allowed researcher to differentiate between global (i.e. temperature) and local (i.e. sedimentation and nutrient loading) environmental changes.

Marine Science
Marine Micropalaeontology (Benthic Foraminifera)
Distribution Pattern, Microhabitat, Taphonomy, Bioindicator

- Geological Society of Malaysia

- Jabatan Taman Laut Malaysia
- Jabatan Mineral dan Geosains Malaysia
- Universiti Malaysia Kelantan
- Universiti Malaya
- University of Vienna, Austria
- East Carolina University, USA

- Scopus ID :
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- Researchgate : Wan Nurzalia Wan Saelan
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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

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EDUCATION

Dip., BSc. (UMT) — MSc / PhD. (KAGOSHIMA)

Dip., BSc. (UMT) — MSc / PhD. (KAGOSHIMA)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research is focusing on the taxonomy, reproductive biology and ecology of polychaete species in Asia. My current interest is examining microplastics (marine debris) ingestion by marine organisms, especially on polychaete species.
I am also involve in a RIG for Microplastic Study (Microplastic Research Interest Group – MRIG) and Research Network on Microplastic Pollution for IOC-WESTPAC. This study focuses on the quantitation, characterization and method development for microplastics analysis and marine debris in order to identify the path and fate of this emerging pollutants in the food web.

Coral reefs are representing the importance of marine biodiversity towards human but they are critically threatened by global warming, overfishing and coastal development. My research interest is focused on the coral reef conservation, mainly on the coral bleaching. The field of research required detailed understanding the coral bleaching by studying its physiology after stress. Hopefully the finding of the research could provide a solution for coral bleaching management.

FIELD	Marine Biology	Marine Biology
EXPERTISE	Taxonomy, Reproductive Biology and Ecology of Marine Invertebrates, Marine pollution on organisms and marine polychaete	Coral Reefs
SPECIALIZATION	Nereidid and Glycerid Polychaete, Microplastics	Coral bleaching

PROFESSIONAL MEMBERSHIP

- Society for Coastal Ecosystems Studies- Asia Pacific (SCESAP)
- National Association of Underwater Instructors (NAUI)
- Professional Association of Diving Instructors (PADI)
- International Society of Reef Studies
- Malaysian Nature Society (MNS)

NETWORKING & RESEARCH COLLABORATION

- University of Kagoshima, Japan
- University Science Malaysia (USM)
- IOC WESTPAC Regional Representative on Microplastics in Marine Organism
- University Sultan Zainal Abidin, Terengganu
- Yayasan Islam Terengganu

PUBLICATION

- Scopus ID : 57193308160
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BSc. (Hons), MSc. (USM)

My research interest span fish ecology, marine food webs, ecosystem functioning and productive capacity. Productive capacity is defines as the sum of potential maximum production of the fish community during the time they spend any part of their life history in the habitats, that can be supported by the resources (detritus, primary producer and prey items), without causing any changes to the system. The estimation of productive capacity was based on the community – ecosystem models, which simulate flow of energy (in terms of biomass) in the system. Often, trophic interactions models in the area constructed as Ecopath models (Ecopath with Ecosim). Ecopath model is a snap-shot of the system structure with assumptions that, for each group in the system, the energy (in terms of biomass) removed from each group in the system (e.g. by predation or fishing) must be balanced by the energy consumed (that is consumption). My current research is on the trophic level and length-weight relationships for commercial fishes within Setiu Wetlands, Terengganu. Length-weight relationships (W=aLb, where W is the body weight of the fish, L is the total length of the fish, a is the intercept of the regression curve and b is the regression coeficient), is important for stock assessments, for both population dynamic and ecosystem modelling approach using Ecopath with Ecosim. In addition, trophic position provides the insight into food webs, assessing the fish community shifts linked into environemntal drivers. In the last few years, the focus of my research has been the fish community for the Malaysian islands and marine parks.

Marine Ecology
Ecosystem Modelling
Food web, Fish Community, Habitat Productivity

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B.App.Sc, MSc. (USM)

I have been working in the field of marine ecology, and in particular coral reefs, since 1998. I have worked on various aspects of coral reef biology, including coral reef fish taxonomy, coral reef population connectivity, coral reef survey and monitoring, conservation and training. My main interest is in coral reef taxonomy, connectivity, monitoring, management and conservation, especially on coral reef fishes. I completed my MSc study on coral reef fishes of Pulau Payar Marine Park, Malaysia and had done numerous surveys on coral reef ecosystem in the East Coast and West Coast of Peninsular Malaysia. I am also actively involved in national coral reef research, monitoring and conservation scene, working with partners mainly government agencies like Marine Park Department (Ministry of Natural Resources and Environment), Fisheries Research Institute (Fisheries Department), NGO such as Malayan Nature Society, WWF Malaysia, Coral Cay Conservation and other research institutions (Universiti Sains Malaysia, Universiti Malaya and Universiti Pertanian Malaysia). My main research interest now is to look at the function of marine protected area as compared to non-protected area and also the connectivity of the coral ecosystem in water surrounding Malaysia using both ecological and molecular approach. The understanding of the ecosystem will provide proper guideline to the management of the ecosystem.

Marine biology
Coral reef ecology
Coral reef fish taxonomy, Population genetics, Coral reef monitoring and management

- Asian Society of Ichthyologist
- ReefCheck International
- Malaysian Society of Marine Science
- Asia Pacific Coral Reef Society

- Griffith University, Australia
- University of Kagoshima, Japan
- University Malaya, Malaysia
- Department of Marine Park, Malaysia

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CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

DVM (UPM)	B.Sc. (UKM)
MSc. (UKM)	MSc. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the animal behaviour and welfare in local society. This field of research required a deep understanding of animal's biology, physiology and their unique systems. Furthermore, the human-animals interaction are highly required for society improvement. The impacts of animals on environment, social and economics parameters are thoroughly monitored. Really looking forward to implement and evaluate the outcomes of the research in order to contribute to local community.

A botanist by training and have been lecturing to undergraduates for 15 years and counting. Graduated with B.Sc. (Hons.) in Conservation Biology specializing in Botany via a thesis on 'Comparative Studies On The Pollen Morphology And The Leaf Anatomy Of Some Species In The Family Guttiferae (Clusiaceae)'. Post-graduated with M.Sc. in Tropical Forest Resource Management via a dissertation on 'Knowledge And Perception Of Forest Conservation In The Forestry Department Headquarters Of Peninsular Malaysia'. Joined the then Kolej Universiti Sains Dan Teknologi Malaysia (KUSTEM) in 2002 and taught various undergraduate biological science's courses such as Evolution And Biodiversity, Plant Biological Diversity and Watershed Management And Recreation to name a few. Currently attached to the Department of Fundamental Knowledge and Liberal Education at the Centre of Fundamental and Liberal Education, Universiti Malaysia Terengganu (UMT) and facilitating the elective cum co-curricular course Sustainable Development ever since. Concurrently as one of the Subject Matter Experts (SMEs) for the online course Sustainable Development offered at the UMTMOOC, a massive open online course (MOOC) platform sponsored by OpenLearning. Becoming more generalist intellectually and recently awarded as Professional Entrepreneurial Educator@3EP in embedding entrepreneurial traits and values in teaching and learning. Another turn of interest, venturing into improving teaching and learning experiences via facilitating learning's emotion and motivation as my current research interest, especially in educational action research.

FIELD	Veterinary Sciences	Biology
EXPERTISE	Animal Sciences	Botany
SPECIALIZATION	Animal Behaviour, Animal Welfare, Livestock Entrepreneurship	Plant Taxonomy, Plant Resource Management, Sustainability Education

PROFESSIONAL MEMBERSHIP

- Malaysia Nature Society

NETWORKING & RESEARCH COLLABORATION

- Petronas's Bekalan Air KIPC Sdn Bhd. (BAKIPC)
- Imerys Minerals Malaysia Sdn. Bhd.
- Imtiaz Terengganu
- Yayasan Islam Terengganu (YIT)

PUBLICATION

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Google Scholar :	Google Scholar :

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BSc. (UPM)

MSc. (UMT)

His recent research work focuses on mangrove ecology and management. This includes research interests in the aerial mapping, resource inventories, and Geographical Information System. His research interests also focus on the areas of action research, recreational and ecotourism, and social studies. He is actively conducting research in his field of interests through the supervision of undergraduate and postgraduate students. He is a member of Malaysian Nature Society, Institution of Geospatial and Remote Sensing Malaysia (IGRSM), Mangrove Research Unit (MARU) and Wetland SIG, Human Development SIG, and as Kapten Bersekutu in Malaysia Civil Defence Department as well.

Biodiversity Conservation

Social Science studies

Mangrove Ecology and Management, Forest Resource Management

- Angkatan Pertahanan Awam Malaysia
- Malaysian Nature Society
- IGRSM

- Faculty of Forestry, UPM
- Universiti Malaysia Kelantan
- Golden Pharos Bhd.
- Jabatan Perhutanan Semenanjung Malaysia
- PERHILITAN
- Kementerian Belia dan Sukan Malaysia
- UniCC, KPT

- ResearcherID : 54420159000
- Researchgate :
- Google Scholar :

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BSc., MSc. (USM)

My early career in higher education and research begin as research officer in the School of Civil Engineering, Universiti Sains Malaysia before being offered a position as a lecturer by Universiti Malaysia Terengganu. Since then, I had been involved in numerous research grants amount to about 12 different grants undertaking the responsibility of project leaders, co-researchers, research collaborators and as the principal researchers. Findings from those completed and in progress research grants have been published into various academic publications consist of 11 journals, 3 chapter in books, 18 conferences/ proceedings, 3 posters and 2 research reports. I am committed in teaching/learning activities as much as I did in my researches especially involving environmental-related subjects. Among those subjects, Sustainable Development courses was chosen to became one of the Universiti Malaysia Terengganu Massive Open Online Course (UMT@MOOC) in which I was appointed as the course coordinator as well as one of the subject matter expert (SME). Recently, I also had been certified as a competent person to conduct sustainability audit under ISCC EU and ISCC PLUS sustainability accreditation which is recognized by the European Nation (EU).

Environmental Technology

Biofuels, Landfill Leachate

Biodiesel, Water & Wastewater Treatment Sustainability

- International Sustainability & Carbon Certification (ISCC)
- International Society for Development and Sustainability (ISDS)
- The Clean Air Forum Society of Malaysia (MyCAS)

- Prince of Songkla University, Pattani Campus, Thailand
- SIRIM Berhad
- Malaysia Palm Oil Board (MPOB)

- Scopus ID : 6602660053
- Researchgate : Mohamed Shahrir Mohamed Zahari
- Google Scholar : Mohamed Shahrir Mohamed Zahari

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

WONG **CHEE HO**

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EDUCATION

BSc., MSc. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My researches focus on biodiversity and distribution of small mammals, chiropteran and birds in Malaysia, one of the twelve Mega-diversity hot spots in the world. Knowledge on natural history and population ecology of these animals is essential for their management and conservation. I have completed several fundamental researches and consultation project which funding were granted by the University, Ministry of Science, Technology and Innovation, Malaysia, NGOs and private sectors respectively from 2004 until present. Currently, my prime research focus is on seabird's diversity and distribution in Malaysia, in hoping the finding of the research could provide latest information on their conservation status for better biodiversity management and protection in this region. At the same time, I am also actively involving in society activities and standing as the Chairperson of Malaysia Natural Society Terengganu branch from since 2014.

FIELD Conservation Biology

EXPERTISE Fauna Biodiversity

SPECIALIZATION Small mammals, Chiropteran, Aviafauna

PROFESSIONAL MEMBERSHIP Malaysian Nature Society

NETWORKING & RESEARCH COLLABORATION Guangdong Institute of Applied Biological Resources

PUBLICATION

Scopus ID :
Researchgate : Chee Ho Wong
Google Scholar :

Directory
of
eXperts

Cluster
of

SCIENCE, MARINE ENGINEERING AND TECHNOLOGY

NOR AIENI HAJI MOHKTAR
Professor Dato' Dr.

NOOR AZUAN ABU OSMAN
Professor Ir. Dr.

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EDUCATION

BSc. (SUNY)	BEng (Hons) (Brad.)
MSc. (Swansea)	MSc., PhD. (Strath.)
PhD. (UTM)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

My contribution is vast in research and development. I have experience in teaching and research in the fields of physics, hydraulics, physical modeling, data management, coastal, environmental engineering and oceanographic-related policy studies. I have also supervised many postgraduate students and are often appointed as specialist consultants in related fields. I was appointed Director and Division Secretary at the Directorate of Oceanography, Ministry of Science and Innovation (MOSTI) Malaysia in 2008-2014. I play a role in coordinating and designing Framework and R & D Policies for Oceanography and Marine Science. In fact, I also play a role in the establishment of the National Oceanographic Data Centre Development (NODC). As the NOD Director, I was elected to represent Malaysia in the UNESCO Executive Council of Intergovernmental Oceanography Commission (Group IV). I have also served as Vice-Chairman of the Western Pacific (WESTPAC) and also served as a panelist of the International Advisory Group. I have also been assigned to IOC/WESTPAC to National and Regional Capacity Building in Oceanography and Marine Sciences, developing Bi-lateral and Multi-lateral programs. I also have the experience of leading the WESTPAC Program on the Marine Renewable Energy Technology Working Group and supporting Ocean Forecasting and Upwelling working group studies. In fact, I am among the leaders who have been pushing the Coral Triangle Initiatives (CTI) for the Southeast Asian region. As a person with passion in coastal engineering, I have been blessed by Allah SWT to make more innovative contributions to coastal communities, the environment, and society as a whole. Research interests are marine dynamics, climate change, coastal erosion protection, renewable energy, seabed and governance, and sustainable marine management.

My research interests are quite wide-ranging under the general umbrella of mechanical biomechanics. However, my main interests are the measurements of human movement, prosthetics design, the development of instrumentation for forces and joint motion, and the design of prosthetics, orthotics and orthopaedic.Published more than 225 articles in ISI high impact articles and authored 3 engineering academic books (Motion Analysis System An Integrated Approach (2009), Motion Analysis System (2001) and An Integrated Approach for 3D Model (2010). Received over RM15 million in collaborative research grant support and completed within the time frame allocated without any compromise on quality and it is on the assessment panel of national and international granting bodies. Established engineering@UM Industrial Innovation Centre worth of RM230 million in value generation at Faculty of Engineering. First of its kind in this region. At the government level, among others, my expertise in the field of biomechanics has been recognized through my appointment as chairman to establish National Centre Prosthetics and Orthotics (NCPO). Received "The Forchheimer Prize" the most prestigious prize in the field of Prosthetics & Orthotics from International Society of Prosthetics and Orthotics, for my research contribution to the world of prosthetics.

FIELD	Fisheries	Engineering
EXPERTISE	Oceanography	Mechanical Engineering
SPECIALIZATION	Physical Oceanography, Coastal Structure, Hydraulic	Biomechanics, Prosthetics design

PROFESSIONAL MEMBERSHIP

- Malaysian Institute of Physics (IFM)
- UTM Alumni
- International Optical Engineering Society (SPIEE)
- Laser Institute of America (LIA)
- International Association and Hydraulic Research (IAHR)
- International Erosion Control Association (IECA)
- Malaysian Invention and Design Society, MINDS
- IECA Malaysia Chapter Pro-Tem Committee as the Hon. Secretary
- Exco Committee member for Confederation of Scientific Associations (COSTAM)
- Vice President of Malaysian Society of Marine Science (MSMS)
- CTF-CFF Woman Leaders Forum Ambassador

- MIEM, PEng, CEng (UK), FIMechE (UK)
- FIEAust (Aust), CPEng (Aust)
- FASc Councillor
- World Council of Biomechanics (representing Malaysia)

NETWORKING & RESEARCH COLLABORATION

Ocean University of China, Qingdao China
Shantou University, China

- Strathclyde University
- Calgary University
- Melbourne University
- Hong Kong Polytechnic University
- Rehabilitation Institute of Chicago

PUBLICATION

Scopus ID :	Scopus ID :
Researchgate :	Researchgate :
Google Scholar :	Google Scholar :

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BSc., MSc. (USM)

PhD. (UniMAP)

My research interest is focused on the polymer materials and composite technology and related field. This field of research is very broad and required basic knowledge of structural, processing and applications. My involvement focal point mostly on the use of various materials including waste, together with polymer to form composites for suitable use; for example biomass wastes polymer composite panel, industrial waste polymer friction composite and etc.. I am also committed to study the natural/bio based extracted additive for polymer processing; such as processing aid for natural rubber using date seed, using extracted antioxidant from various plant as UV protector additive in polymers and etc.. Apart from using a polymer, I also concentrate a research on the potential of geopolymer application in a variety of usage. Other ongoing exploration that I am investigating on are, graphite and graphane production using medium and low temperatures contrasted with very high temperature as previously reported by other researchers.

Polymer Technology

Polymer Processing, Polymer Composite, Polymer Recycling, Bio-Based Additive for Polymer, Geopolymer, Low Temperature Graphite/Graphane

Polymer Processing and Composite Technology including Geopolymer

- Plastic Rubber Institute of Malaysia (PRIM)
- Malaysian Board of Technology (MBOT)
- ENVEX Young Researcher Club (EYRec)
- Malaysian Invention & Design Society (MINDS)
- Malaysian Geopolymer Society (My Geopolymer)
- Malaysian Research and Innovation Society (MyRIS)

- King Abdul Aziz City for Science and Technology (KACST)
- KOBE PRECISION, Japan
- Nihon Superior Co. Ltd., Japan
- Aneka Teknik, Indonesia
- Romanian Inventors Forum
- The "Gheorghe Asachi" Technical University of Iasi, Romania
- Center of Excellence Geopolymer and Green Technology (CEGeoGTech) UniMAP

- Scopus ID : 15760587000
- Researchgate : Che Mohd Ruzaidi
- Google Scholar : Ruzaidi Ghazali

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BSc.(Sunderland)

MSc.. (Warwick)

PhD. (UKM)

My research interest is focused on the areas of hydrogen fuel,forecasting of Energy sources and clean technology system. My recent research work focuses on the renewable energy particularly in renewable energy system and renewable energy resources. This includes research interests in the design,development and Techno-economics studies of the Renewable Energy System application such as wind, solar, wave and ocean current energy and also been appointed as a reviewer/editor for the Journal of Energy (Elsevier), Renewable & Sustainable Energy Reviews (Elsevier), Energy and Buildings (Elsevier), Solar Energy (Elsevier), International Journal of Green Energy and Journal of Sustainable Science and Management.

Mechanical Engineering

Renewable Energy System & Technology

Wind Energy, Solar Energy, Ocean Energy, Hydrogen Energy System

- Malaysia Board of Technologists (MBOT)
- World Wind Energy Organization
- World Hydrogen Energy Organization (WHEO)
- Institute Mechanical Engineers UK (IMechE)
- Institut Tenaga Malaysia (INTEM)
- Board of Engineers Malaysia (BEM)
- Institute Engineers Malaysia (IEM)
- The Warwick University Alumni Association, UK

- Wind Energy Technology Centre, India
- Goldwind, China
- MIE University, Japan
- Wind Forces, India

- Scopus ID : 55413616900
- Researchgate :
- Google Scholar : Mohd Zamri Ibrahim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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Professor Ir. Dr.

AZIZ AHMAD
Professor Dr.

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EDUCATION

BEng. (UPM) | MSc. (Colorado) | PhD. (UMT)

BSc. (hons), PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on water and wastewater treatment technology. This field of research required detail, understandingof physical, chemical and biological characteristics of water quality. The environmental and green technology is the current best practices in water and wastewater treatment technology. Therefore, the biological or ecological approaches such as utilization of microalgae, bacteria and fungus are incorporated in water and wastewater treatment. Specifically the usage of such microbes in aquaculture wastewater treatment. Then, the harvesting of surplus microalgae using bioflocculant such as Moringa Oliefera, Chitosan, fungus (Aspergillus Niger) and other microalgae (Ankistrodesmus sp). Other research interests that I have been explored in the past were dual-media filter of burnt oil palm shell and sand. Furthermore, the study of adsorption of heavy metal, pesticide, iron and manganese removal from groundwater using granular activated carbon.

His research interest is on the effects of abiotic stress on the biochemistry even in plant cell and plant adaptation toward stress particularly the salinity stress. Currently, he work on the effects of various elicitors including exogenous phytohormone, salinity, inorganic nitrogen the fatty acid fatty acid biosynthesis in microalgae and rice. He also examine the effects of lipid on rice growth and development under salinity stress. His aim is to establish a novel rice variety that tolerance toward abiotic stress.

FIELD	Environmental Engineering	Plant Biochemistry/ Biotechnology
EXPERTISE	Water Engineering	Plant Cell culture, Genetic engineering
SPECIALIZATION	Aquacultural Engineering, Biofloc Technology, Filtration and adsorption	Plant Stress Biochemistry

PROFESSIONAL MEMBERSHIP

- International Water Association
- Malaysian Water Association
- Board of Engineer, Malaysia
- Institute of Engineer, Malaysia
- Malaysian Plant Physiology Society
- Malaysian Society for Bichemistry and Molecular Biology
- International Horticulture Society

NETWORKING & RESEARCH COLLABORATION

- Universiti Teknologi Malaysia
- Malaysia Japan International Institute of Technology, MJIIT Universiti Putra Malaysia
- Polytechnic Sultan Idris Shah (PSIS), Sabak Bernam, Selangor
- National Hydraulic Research Instiute Malaysia (NAHRIM)
- Institute of Technology Sepuluh Nopember, ITS Surabaya, Indonesia

PUBLICATION

- Scopus ID : 56521841800
- Researchgate : Ahmad Jusoh
- Google Scholar : Ahmad Jusoh
- Scopus ID : Aziz Ahmad
- Researchgate : Aziz
- Google Scholar : Aziz

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EDUCATION

BA. (California)

MSc., PhD. (Missouri)

RESEARCH CONTRIBUTION & ACHIEVEMENT

His main research interest is in the area of surfactant chemistry with special emphasis on colloid and cosmetic applications. He has investigated many singular and mixed surfactants systems and reported their phase behaviour, physico-chemical properties as well as their interaction parameters in various aqueous and nonaqueous systems. Recently, he has embarked on the application of these surfactants association structures namely microemulsion for the preparation of nanomaterials for the purpose of drug delivery. His work on microemulsion with virgin coconut oil (VCO) has shown promising results and potentially be utilised in the formation of Janus emulsion with VCO.

FIELD EXPERTISE SPECIALIZATION

Physical Chemistry
Colloid Chemistry
Surfactant Systems

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

Scopus ID : 56980413200
Researchgate : Hamdan Suhaimi
Google Scholar : Hamdan Suhaimi

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CONTACT

EDUCATION

BSc. (USA)

MSc. (Bath, UK)

PhD. (UTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Prof Dr Wan Sani is a Director for ICoE (Industry Centre of Excellence) Maritime Cluster and a Professor in the School of Ocean Engineering. His research interests are Marine Corrosion, Marine Renewable Energy, Materials, Environmental Friendly Lubricant and Marine Fluid Power. He has published quite extensively in the above areas and can be searched under his last name "Wan Nik". His research deals with the development of natural inhibitor to combat marine corrosion. Development of good inhibitor requires detail understanding of physical chemistry and material interaction. His current research focusing on material characterizations and application of biomaterial as corrosion inhibitor and additive in coating for marine environment. All the developed additives have been thoroughly analysed for their physicochemical characteristics by the following techniques: Scanning Electron Microscopy (SEM), Fourier Transform Infra-Red (FTIR), Thermal Gravimetric Analysis (TGA) and has been studied by Electrochemical Impedance Spectroscopy (EIS). Other research interests he has explored in the past few years were the use of plant based oil as hydraulic and lubricating fluid. Similar to marine corrosion project, he improved the plant based lubricant using suitable additives. With the use of suitable additives, the lubricant usable life was extended two or three times. The lubricant was subjected to harsh environment such pressure of 280 bar and work at elevated temperature of 700C. Within the working period, the physical properties such as Total Acid Number (TAN), dynamic and kinematic viscosities, density, flash and pour points were tested and monitored. Conducting this project in the field are quite cumbersome due to many un-control variable in the surrounding. Therefore the project started with laboratory validation using Vikers protocols. Yuken positive displacement pump and Yuken pressure relief valves were used to produce turbulent flow and to maintain maximum acceptable pressure.

FIELD EXPERTISE SPECIALIZATION

Mechanical
Marine Technology
Marine Corrosion, Renewable Energy, Hydraulic Pneumatics

PROFESSIONAL MEMBERSHIP

- CSci – Chartered Scientist of UK
- CMarEng – Chartered Marine Engineer of UK
- CMarSci – Chartered Marine Scientist of UK
- MIMarEST – Member, Institute of Marine Engineering, Science and Technology
- MyTribos – Member, Tribology Society of Malaysia

NETWORKING & RESEARCH COLLABORATION

- Universiti Teknologi Malaysia, Malaysia
- National University UKM, Malaysia
- University of Hiroshima, Japan
- University of Bath, United Kingdom
- University of Malaya, Malaysia

PUBLICATION

Scopus ID : 56463144300
Researchgate : wan niksani
Google Scholar : wan sani wan nik

MOHAMMAD FADHLI AHMAD
Associate Prof. Ir. Dr.

AHMAD FITRIADHY
Associate Prof. Ir. Dr.

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EDUCATION

BSc. (UiTM)	MSc. (UKe)	PhD. (UK)	BEng. (UNHAS)	MEng. (UTM)	PhD. (Hiroshima)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Mohammad Fadhli Ahmad joined University Malaysia Terengganu (Previously known as UPM) as a lecturer in 1999. He has doctorate (PhD) in Coastal Engineering with specializating in coastal hydrodynamic, sediment transport, and coastal struture. He was appointed as an Associate Professor in 2011. He involved himself actively in teaching, post graduate supervision and publishing aricles related to his field of expertise. More than 40 journal articles indexed by scopus with Q1 to Q4 have been published to this date. In recognition of his experiences and contribution for university and communities related to his expertise, he was invited to be a speaker on seminar sessions, scientific paper reviewer, and as well as university, state and national advisor. Fadhli was recognized by Institute Engineer Malaysia (IEM) and Board of Engineer Malaysia (BEM) and awarded him as Professional Engineer or Ingenieur (Ir). His professional was also being recognized by abroad profesional bodies as Chartered Engineer Council and Institute Marine Engineering, Science and technology (IMarEST) from United Kingdom and awarded him as Chartered Engineer (CEng) and Chartered Marine Engineer (CMarEng).

My research interest is focused on ship design and ship hydrodynamics, which comprehensively discuss on assessment of seakeping, ship mooring system, ship resistance/powering and course stability & manoeuvrability of a Ship Towing System. These fields of research required an extensive understanding of several types of ship hull forms, ship motion in waves, mooring configuration/properties associated with the environmental conditions, pressure & viscous resistances and the ship particulars for tow and towed ships incorporated with the towing parameter, respectively. Basically, a Computational Fluid Dynamic approach has been proposed looking into attainable outcomes with precision, whilst a hydrodynamic description underlying the rationale behind the results is explained. This computational analysis is aimed at gaining a more reliable result as compared to the typical numerical approach, which is then validated using experimental model test at Towing-Tank. The effect of the external environmental condition on the seakeeping performance is quantified in RAO of the ship motion. In addition, the various types of the ship mooring lines have been analysed. It is purposed to obtain a maximum mooring line tension with respect to six-DOF of the ship motion due to presence of various currents, waves and wind conditions. Several coefficients of the total ship resistance at various Froude number; meanwhile thrust, torque and efficiency of the propeller coefficients in open water condition have been appropriately predicted at different advance numbers. Furthermore, the comprehensive discussions on the course stability and manoeuvrability of a the ship towing system with regard to symmetrical and asymmetrical bridle towlines have been solved due to effect of the towline lengths, tow points and tow speeds. The results are then presented in the form of horizontal plane motions while attributing on the magnitude towline tension characteristics. Here, I have delivered some industrial consultancies and published scientific papers related to the aforementioned specialization.

FIELD	Civil Engineering	Naval Architecture and Ocean Engineering
EXPERTISE	Coastal Engineering	Ship's Design, Ship's Hydrodynamics
SPECIALIZATION	Coastal hydraulic modelling, Sediment transport, Coastal structure	Seakeeping, Ship Mooring System, Ship Resistance & Powering, Course Stability & Manoeuvrability of a Ship Towing System

PROFESSIONAL MEMBERSHIP

- Chartered Engineering (UK)
- Chartered Marine Technology (UK)
- IMAREST (UK)
- Institute Engineers Malaysia (IEM)
- Board Engineers Malaysia (BEM)

- The Institution of Engineers Indonesia (PII)
- ASEAN Engineers Register (AER) under The ASEAN Federation of Engineering Organisations (AFEO)
- Chartered Engineer (CEng) - Engineering Council UK
- Chartered Marine Engineer (CMarEng) under The Institute of Marine Engineering, Science and Technology (IMarEST)
- Member of The Institute of Marine Engineering, Science and Technology (IMarEST)

NETWORKING & RESEARCH COLLABORATION

- University Technology Malaysia
- National Hydraulic Research Malaysia (NAHRIM)
- University Pahang Malaysia
- Sepuluh Nopember Institute of Technology (ITS) Indonesia

- Hiroshima University, Japan
- Hasanuddin University, Indonesia
- Sepuluh Nopember Institute of Technology, Indonesia
- Universiti Teknologi Malaysia, Malaysia

PUBLICATION

- Scopus ID : 35783977700
- Researchgate : Mohammad Fadhli Ahmad
- Google Scholar : A.P. Dr. Mfadhli Ahmad

- Scopus ID : 36559082600
- Researchgate : A. Fitriadhy
- Google Scholar : Assoc. Prof. Ir. Dr. Eng. Ahmad Fitriadh

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B. Eng, M. Eng, Dr. Eng (Ehime, Japan)

My research interest revolves around the application of electrical discharge plasma especially in lighting and antenna. I am working on the development of the environmentally-friendly and energy saving lighting, particularly on mercury-free and solid state lighting. My study is mainly on low pressure plasma produced using high voltage and high frequency, as well as on plasma diagnostics. Using this type of plasma, I also work on sterilizing and deactivation of micro-organism using ultra-violet radiation. Besides that, I am also working on designing plasma antenna, an antenna using plasma element as an alternative to metal element. Work on metamaterial using plasma for antenna application also one of my focus area. The works including modelling, simulation and experimental approaches. As an extension to my lighting studies, I am also involved in solar cell project, especially on its optical characteristics study. This work focus on 3rd generation of photovoltaic panel using thin film technology for hybrid and organic solar cell. Part of the research are working closely with the collaborators from local universities as well as outside Malaysia especially with Japan and France.

Electrical & Electronics Engineering

Electrical Discharge

Plasma Application, Lighting, Optics

- Institute of Electrical and Electronics Engineers (IEEE)
- Board of Engineers Malaysia (BEM)
- Malaysia Board of Technologies (MBOT)

- Ehime University, Japan
- University of Toulouse, France
- Universiti Teknologi MARA, Malaysia
- Universiti Sultan Zainal Abidin, Malaysia

- Scopus ID : 24469939200
- Researchgate : A. N. Dagang
- Google Scholar : Ahmad Nazri Dagang

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BTech., MSc.(UMT)

CPGS., PhD. (Cambridge)

My work lies mainly in the area of Chemical and Environmental Engineering, concentrating on developing microwave heating & pyrolysis systems as platform technology for application in drying, desalination, & waste to wealth/energy. Our platform technology produces useful products such as liquid fuel, biofuel, activated carbon & charcoal, biochar, freshwater, natural salt, etc. These products have been tested or applied in catalytic process, energy, wastewater treatment, mushroom cultivation, soil amendment/ plantation, herbicide removal, etc. Our work have secured 15 research grants worth nearly RM 2 million. These projects involve collaboration with scientists in international and local institutions (e.g. Cambridge, Monash, Tianjin, Nottingham, Exeter, Southampton, UTM, UMP, UTP) and have received partnerships and investments from the industry (Chemical Company of Malaysia Berhad, Pollution Engineering Sdn Bhd). Our findings have led to patent & trademark filing, licensing to company, journal publication, awards (e.g. Special Award & Gold medal in PECIPTA 2017, Grand Price in SIIF Korea 2016, Gold medal in ITEX 2016, etc.) and industrial partnership for prototype development, distribution and application. A pyrolysis platform technology developed from our research team has been licensed by NV Western Plt and 2 companies have recently purchased the licensed technology to be manufactured for use in their R&D application.

Chemical & Environmental Engineering

Thermochemical Process, Microwave Heating, Waste and Biomass Recovery

Pyrolysis Techniques, Microwave Heating, Application, Scheduled Waste Management, Wastewater Treatment

- The Institution of Biorefinery Engineers, Scientists and Technologists (IBEST)
- UK Higher Education Academy, Associate Fellow
- Certified HRDF Trainer
- Certified Environmental Professional in Scheduled Waste Management

- UK - University of Cambridge, Exeter University, Nottingham University, Southampton University
- Australia - Monash University, RMIT University,
- China - Tianjin University, Xiamen University
- Malaysia - UTM, UTP, UPM, USM, UMP, UNIMAS, UMS
- Industry - Chemical Company of Malaysia Berhad, Pollution Engineerings (M) Sdn Bhd

- Scopus ID : 23035028500
- Researchgate : Su Shiung Lam
- Google Scholar : Su Shiung Lam

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHAMAD AWANG
Associate Prof. Dr.

MOHAMMAD ISMAIL
Associate Prof. Dr.

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EDUCATION

BSc. (CU, NY)	
MSc. (UPM)	
PhD. (USM)	
	BSc. (UM)
	PhD. (Wollongong)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Mohamad is currently working on research related to material science/engineering particularly on polymer composites and renewable materials. His recent scope of work includes determination of mechanical and physical-chemical properties of composite materials as well as preparation and characterization of natural fibers and other renewable materials.

My research interest is in the field of materials science, particularly in the modification of solid–state hydrogen storage materials such as metal hydride (MgH_2, TiH_2, LiH, NaH), complex hydride ($LiAlH_4$, $NaAlH_4$, $LiBH_4$, $NaBH_4$) and chemical hydride (NH_3BH_3) for hydrogen–energy applications. I have become experienced with pressure-composition-isotherm (PCI), high speed ball milling, the operation of various microstructure characterizations such as Raman spectroscopy, Fourier transformation infrared (FTIR), X-ray photoelectron spectroscopy (XPS), X-ray diffraction (XRD) and morphological analysis using scanning electron microscope (SEM) and field emission scanning electron microscopy (FESEM). Able to use thermogravimetric analysis/differential scanning calorimetry (TGA/DSC) to perform thermodynamics analysis and can do mass spectroscopy (MS) for gas analysis. As the project leader, I have secured research grants worth nearly RM364,880.00 comprising 5 research projects funded by FRGS, RAGS, TAPE-RG and TPM. This project provide a platform to form a research team consisting of 19 students (4 PhD, 5 MSc, 10 BSc) for the work involved. I also acts as co-researcher for 5 projects (RM420,015.00). I have published 50 articles in indexed journals (45 ISI Journals (34Q1, 9Q2, 2Q3) and 5 Scopus) and received a H-index of 19 and 867 citations from Scopus. I have also received high-impact journal publication (Q1) award for year 2012, 2013, 2014, and 2015. In 2016, I have received "Anugerah Julangan Bakat" from Universiti Malaysia Terengganu for Research Publication Award in Pure Science. I have also demonstrated academic leadership through invitation as a speaker for research talk in Suranaree University of Technology, Thailand, appointment as editor for a 3 international journals and acting as a reviewer for 26 ISI journals (106 manuscripts).

FIELD	Mechanical Engineering	Materials Science
EXPERTISE	Sustainable Materials	Energy Storage Materials
SPECIALIZATION	Polymer Composites, Renewable Materials	Hydrogen Energy, Solid-state Hydrogen Storage, Physical Chemistry

PROFESSIONAL MEMBERSHIP

- Board of Engineer Malaysia (BEM)

- American Chemical Society (ACS)
- Royal Society of Chemistry (RSC)
- Malaysia Board of Technologist
- Malaysia Association on Solid-State Society
- The Malaysian Association of Hydrogen Energy (MAHE)
- Electroactive Materials Society (EMS)

NETWORKING & RESEARCH COLLABORATION

- Universiti Teknologi Mara
- Universiti Sains Malaysia

- University of Wollongong, Australia
- Suranaree University of Technology, Thailand
- Fudan University, China
- Universitas Syiah Kuala, Darussalam, Banda Aceh, Indonesia
- University of Malaya
- Universiti Kebangsaan Malaysia
- Universiti Sains Malaysia

PUBLICATION

- Scopus ID : 55400512100
- Researchgate :
- Google Scholar :

- Scopus ID : 55323514100
- Researcher ID : D-1716-2010
- Google Scholar : Mohammad Ismail

KHAIRUL ANUAR MAT AMIN

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BSc. (Hons), MSc. (UKM)

PhD. (Wollongong)

His current research interest focuses on the development of biomedical application specifically wound dressing materials in film, hydrogel and scaffold forms by using polysaccharides based polymers such as gellan gum, xanthan gum and sodium alginate. Not limited to that, he is also working on the development of dressing materials from polyurethane-based vegetable oil. Palm-kernel oil based polyester (PKO-p) is synthesized and used as a polyol and react with isocyanate to produce polyurethane. The use of PKO-p as polyol can boost the valued added of the latter besides minimizing the toxicity effect of synthetic based polyester (if any) in biomedical products. He is also working on developing the functional polyelectrolyte complex (PEC) film based polysaccharides to be used in biomedical applications. To enhance the biocompatibility of the materials, he is also incorporated with tropical medicines extracts, clays, and honey. Besides that, he is also working on the synthesizing the carbon nanotubes to be used in different applications such as adsorbent materials and as fillers.

Chemistry
Material, Composite
Biomaterials

- Institut Kimia Malaysia (A/3625/6534/13)

- Department of Biotechnology, Faculty of Applied Science, UCSI University
- Polymer Research Center, Faculty of Science and Technology, Universiti Kebangsaan Malaysia
- Laboratoire d'Ingénierie des MATériaux de
- Universiti Sains Malaysia, Health Campus,
- Institute of Bioproduct Development, UTM Johor Bahru Campus

- Scopus ID : 12138967900
- Researchgate : Khairul Anuar Mat Amin
- Google Scholar : Khairul Anuar Mat Amin

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BSc. (UKM)

PhD. (Florida)

He received his PhD in quantum chemistry/ molecular spectroscopy from the University of Florida, Gainesville in 1989. Since then, his main research focus has been on the advancement of knowledge in molecular modelling using ab initio quantum mechanical calculations.

Physical Chemistry
Quantum Mechanics
Molecular Spectroscopy (Molecular Modeling)

- Analis/Natural Product

- Scopus ID : 6506085589
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MARIAM TAIB
Associate Prof. Dr.

MOHD SUKERI MOHD YUSOF
Associate Prof. Dr.

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EDUCATION

MSc., BSc. (UPM) PhD. (Leeds)	BSc., MSc., PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Mariam's research interest is on biochemistry of microbes, focusing on enzymes and bioactive compounds. Marine microbes become her particular research subject since extreme marine environment makes microbes produce many natural products possessing medical and industrial values. Works involved are isolation of bacteria and fungi associated with marine organisms; screening for important enzymes and bioactive compounds to meet industrial demands, and elucidating the mechanisms and pathway in the production of those compounds/metabolites. Utilizing microbes as sources of enzymes and bioactive compounds implicates less harm on marine hosts, apart from them becoming the alternative and sustainable resources.

Synthesis new compounds of organic and inorganic, crystallography and structural studies.

FIELD	Biochemistry	Inorganic Chemistry
EXPERTISE	Microbial Biochemistry	Inorganic Synthesis
SPECIALIZATION	Enzymes and Bioactive Compounds of Microbes	Crystalography

PROFESSIONAL MEMBERSHIP

- Malaysian Society for Microbiology
- Malaysian Society for Biochemistry and Molecular Biology

NETWORKING & RESEARCH COLLABORATION

- Institut Biologi Sistem (INBIOSIS), UKM

- Universiti Islam Antarabangsa Malaysia
- Universiti Kebangsaan Malaysia
- Universiti Sains Islam Malaysia
- Universiti Teknologi MARA

PUBLICATION

- Scopus ID : 6603895863
- Researchgate : Mariam Taib
- Google Scholar : Mariam Taib

- Scopus ID : ID: 8361581900
- Researchgate : Mohd Sukeri Mohd Yusof
- Google Scholar : Ahmad Nazri Dagang

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BSc. (Hons), MSc. (USM)

PhD. (Cape Town)

Targetting the insulin signaling pathway (one of the major field in cell signaling) in obesity, diabetes, cancer and neuro-disorder diseases, and crosstalk with the other pathways are the major strategies used in Dr. Ismail's research activity. By improving insulin sensitivity in the insulin resistant models related to the chronic diseases (developed in her laboratory), potential treatment/s may be suggested in the future. This can be achieved by using several natural products particular honey, other beeproducts (beebread and propolis), Stevia rebaudiana Bertoni and marine organisms (especially polycheates). Quality and authenticity of the products is a must and will be assessed through honey analysis, and other physio- and phytochemical approaches before conducting the cell signalling studies.

Biology

Cell Signaling, Pharmaceutical Biotechnology & Honey Analysis

Cell signaling (especially insulin signaling pathway) in obesity, diabetes, cancers & neuro-regenerative study, Develop in-vitro & in-vivo models of obesity, diabetes & neuro-regenerative study, Honey analysis in identification of honey adulteration & quality of products

- Malaysian Society of Biochemistry and Molecular Biology (MSBMB)
- Persatuan Apiterapi Malaysia

- MARDI
- SIRIM
- Department of Agriculture, Malaysia
- Standard Madu Malaysia
- Spesifikasi Madu Kelulut Malaysia
- Young Agroprenuer Scheme, Malaysia (Lebah
- Young Agroprenuer Scheme, Malaysia (Kelulut)
- Bengkel Transformasi Pertanian & Mesyuarat Teknikal Pembangunan Industri Lebah Negeri Terengganu
- Mesyuarat Teknikal Pembangunan Industri Lebah Negeri Kelantan
- Malaysian Genome Institute
- Malaysian Nuclear Agency
- Universiti Teknologi MARA, Universiti Putra Malaysia
- Universiti Makassar, Indonesia, University of Cape Town, South Africa, National University of South Korea

- Scopus ID : 36684084400 3
- Researchgate : Wan Iryani Wan Ismail
- Google Scholar : Wan Iryani Wan Ismail

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BSc. (Hons)(UPM)

MSc., PhD. (Durham)

There is rapid need in the world community generally as well as in Malaysia for the smallest, quickest and fastest materials. These materials are expected to bring greater benefit towards nations wealth, sustainable environment and community well-being. Thus, the research interests are falling in the concept of designing, preparing investigating these materials at molecular level. There is no such research involving single molecules incorporating with natural resources been carried at elsewhere, which these research is exploiting the benefit of electronic properties arising from the designed molecules. They are varies in their mixed functionalities and application. To date, the interest is on making use the unique aspect of conjugated molecules towards application in molecular sensors, organic light emitting diode (OLED) and solar cell to name a few. The research is novel and unique for its kind as incorporating a number of elements and systems to become better performances in comparison to previous and current system. From the outcomes of these researches to date, they show high possibilities in succeeding and in turn bring greater wealth and benefit at high contribution level for our nation.

Pure Science
Chemistry

Synthetic Inorganic and Organometallic Chemistry

- Royal Society of Chemistry United Kingdom (2003 - to date)
- Asia-Pasific Chemical, Biological & Environmental Engineering Society (APCBEES) (2011 - to date)
- Malaysian Analytical Sciences Society (ANALIS) (2010 - to date)
- Malaysian Institute of Chemistry (IKM) (2013 - to date)

- Department of Chemistry and Biochemistry, University of Western Australia, Australia
- Academia Sinica, Institute of Chemistry, Taiwan
- Inorganic Chemistry Center (CEQUINOR), Department of Chemistry, Exact Sciences Faculty, Nat'l University of La Plata, CC 962 La Plata (CP 1900) La Plata, Buenos Aires, República Argentina
- Department of Chemistry, Faculty of Resource Science and Technology, Universiti Malaysia Sarawak (UNIMAS)
- School of Physics, Universiti Sains Malaysia
- MIMOS BERHAD Technology Park Malaysia

- Scopus ID : 13406514000
- Researchgate : Wan Mohd Khairul Wan Mohamed Zin
- Google Scholar : Wan M. Khairul

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHAMMED ISMAIL RUSSTAM SUHRAB
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KHALID SAMO
Dr.

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EDUCATION

BSc., MSc. (MSTU) | PhD. (SUMIS) | COC Class-1 Master Mariner

Bsc. (Plymouth) | MSc. (Strathclyde) | PhD. (Japan)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest revolves around the consequences of GPS failing or being jammed. For seafaring vessels especially the larger cargo ships, a loss of GPS can mean a complete loss of control- which is a problem if ship is approaching the dock at high speed, or if you are stranded in the middle of the ocean. My main research goals are to develop a ground based alternative of GPS in the Malacca Strait and to find the strategy for developing e-navigation in Malaysian waters. Besides that I am working on the use of Bridge Ship Simulator for improving the Ship Manoeuvring, Handling and Safety of Marine Navigation at sea and in the ports.

My research interest is focused on maritime science technology for harnessing the resources from the sea covering vessel design, instrumentations marine survey using sonar equipment. This field of research requires a much wider range of knowledge and interest on living resources, the physical ocean, technology, ocean engineering and marine instruments. My current research interests cover marine renewable energy, applications of underwater sound, technology in resource survey and energy extraction from the sea. On land my work focuses on instrumentation for safe operation of marine vehicles in particular on fishing vessel operations and fishing gears technology.

FIELD
Nautical Science, Ship Handling

Maritime Technology and Instrumentation

EXPERTISE
Marine Navigation, Cargo Management

Ship and Underwater Technology

SPECIALIZATION
Ship Handling, Marine Education & Training

Ship Instrumentation, Underwater Acoustics, Fishery Technology

PROFESSIONAL MEMBERSHIP

- Associate Fellow, Nautical Institute, London
- Society of Master Mariner's Bangladesh
- Bangladesh Merchant Mariner Officer's Association
- Malaysian Board of Technology
- Asean Fisheries Acoustic Society

NETWORKING & RESEARCH COLLABORATION

- BSMR Maritime University Dhaka Bangladesh
- MSTU, Murmansk, Russia
- Admiral Makarov State Maritime Academy, St. Petersburg, Russia
- Bangladesh Marine Academy
- Bangladesh Marine Fisheries Academy
- SEAFDEC, Malaysia
- National Museum (Underwater Heritage)

PUBLICATION

- Researcher ID : J-1515-2018
- Researchgate : Russtam Mohammed Ismail
- Google Scholar : Mohammed Russtam Suhrab Ismail
- Scopus ID :
- Researchgate :
- Google Scholar :

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BEng. (UM)

PhD. (NSW)

The application of artificial intelligence to create innovative designs that performs optimally is my general field of interest. My area of contributions is focused on the maritime technology-related discipline e.g. ship design, bio-inspired underwater robots, forecasting of performance indicators, autonomous vehicles development, shape-matching and multidisciplinary design optimization. Currently my research focus is dedicated to the use of various deep learning methods e.g. Convolutional Neural Network and Recurrent Neural Network to simulate the operation of autonomous vehicle in inland waters and ocean data forecasting. Periodically, I am an active Visiting Researcher with the Shizuoka University in the field of shape design. Other than the awards gathered in the academic field (Excellence in Research Publications, Significant Paper Awards), I am also active in the engagement activities with industries via several platforms such as PETRONAS, Malaysian Industry-Government Group for High Technology (MIGHT), Technology Depository Agency (TDA) and many more. Currently I'm holding a Chartered Engineer (C.Eng) professional qualification from the Engineering Council.

Engineering

Engineering Design

Form Design, Robotics, Artificial Intelligence

- The Institute of Marine Engineering, Science and Technology (IMarEST)
- American Society of Naval Engineers (ASNE)
- Society of Naval Architects and Marine Engineers (SNAME)
- IEEE Computational Intelligence Society (IEEE)
- Royal Institute of Naval Architects (RINA)

- Shizuoka University, Japan
- Universiti Malaya, Malaysia
- Universiti Teknologi PETRONAS, Malaysia
- Universiti Sains Malaysia, Malaysia
- University of New South Wales, Australia

- Scopus ID : 48361034400
- Researchgate : Ahmad_Faisal_Mohamad_Ayob
- Google Scholar : Dr. Ahmad Faisal Mohamad Ayob

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BEng. (UM)

PhD. (UQ)

After graduating with a Bachelor Degree in Bio-medical Engineering (Honours) from Universiti Malaya on 2005, I worked at Hospital Sultanah Nur Zahirah, Kuala Terengganu as a Bio-medical engineer where my work scope includes installing, repairing, or providing technical support for biomedical equipment as well as evaluating the safety, efficiency, and effectiveness of these equipment. I went on to graduate with a PhD in Bio-Engineering from Australian Institute for Bio-engineering and Nanotechnology, at The University of Queensland in Australia in 2011. I returned to the academic field holding the position as a senior lecturer from 2012 until now.Now my current research fits into four areas:

- Terahertz spectroscopy of fibrillar proteins towards rapid diagnosis of amyloidal diseases.
- The application of piezoelectric sensor in generating energy from ocean waves
- Engineering the construction of an optimised vaccine for pneumonic pasteurellosis with virus-like particles as the vaccine carrier to optimise the efficiency of the proposed vaccine.
- Development of water treatment system incorporating activated carbon and bio-coagulant synthesized from local plants

Bio-medical Engineering

Terahertz

Renewable energy, Water treatment

- Asia-Pacific Chemical, Biological and Environmental Engineering Society, Member, May 2012 - Present

- Photonics Research Centre, Universiti Malaya, Kuala Lumpur
- The Bio-Frontiers Institute, University of Colorado, United States of America
- Centre for Bio-Molecular Engineering, Australian Institute for Bio-engineering and Nanotechnology, The University of Queensland, Australia.
- Faculty of Science, Universiti Teknologi Malaysia, Skudai, Johor.

- Scopus ID : 29167645800
- Researchgate : Hidayatul Zakaria
- Google Scholar : Dr Hidayatul Aini Zakaria

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHD ASAMUDIN A. RAHMAN
Dr.

MOHD HAIRIL MOHD
Dr.

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EDUCATION

BSc. (UTM) | PhD. (UWA)

BEng., MEng. (UTM) | PhD. (PNU)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest focuses on the offshore structures behaviour, especially under the action of environmental loading such as wind, wave and current. This field of research required detail, understanding of fundamental on hydrodynamics and fluid-structure interactions (FSI). Since there is a significant forces exhibit by the structure which caused by the Vortex-induced Vibration (VIV), it's crucial to explore and investigate this particular complex phenomenon. By utilizing the geometry and work through the non-linear to ultimate and collapse stage, I believe that, one day we can predict, simulate and solve the problem caused by the VIV to some extent using Computational Fluid Dynamics (CFD). These numerical methods provide the keys to a greater understanding of interactions in response to the external forces. These approaches significantly contribute to the field of knowledge in the VIV area of design and analysis purposes. Other research interests I have explored in the past few years were the coastal modelling which dealing with the scouring effects on the coastal and offshore structure foundations.

My research interest revolves around the ultimate limit state assessment of steel structure including subsea pipelines, offshore jacket platform, riser and etc. I am working on the understanding of the important concept of limit state behavior of structure up to its plastic limit state. Besides that, I am working on mathematical formulation as well as reliability assessment of aging structure due to corrosion and aging problems. By utilizing time evolution data, the empirical function can be formulated and hence the reliability of the structure can be assessed based on its ultimate capacity assessment by utilizing finite element analysis approach.

FIELD	Hydrodynamics	Offshore Structure Engineering
EXPERTISE	Fluid Structure Interaction	Subsea Pipelines
SPECIALIZATION	Vortex-induced Vibration	Ultimate Limit State, Reliability Assessment

PROFESSIONAL MEMBERSHIP

- Board of Engineers Malaysia

- Board of Engineers Malaysia
- The Royal Institution of Naval Architects
- Society of Naval Architects and Marine Engineers

NETWORKING & RESEARCH COLLABORATION

- University of Western Australia, Australia
- Pusan National University, Korea
- University of Maine, USA
- Universiti Teknologi Malaysia
- Universiti Teknologi Petronas, Malaysia

- Pusan National University, South Korea
- Institut Teknologi Bandung, Indonesia
- Arab Academy of Science, Egypt
- Korean Offshore and Research Institute, South Korea

PUBLICATION

- Scopus ID : 56874940500
- Researchgate : Mohd Asamudin A Rahman
- Google Scholar : Mohd Asamudin A Rahman

- Scopus ID : 57200969152
- Researchgate : Mohd hairil Mohd
- Google Scholar : Dr Mohd Hairil Mohd

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BEng (Rits) | MSc. (UoW) | PhD. (UKM)

My research interest is in the development of intelligent control techniques for renewable energy (RE)-based distributed generation such as solar photovoltaic (PV) system and control of energy storage technologies to mitigate the impacts grid-integrated solar-PV system. The issues of interest of solar-PV grid integration are power fluctuation, generation intermittency, voltage fluctuation and other power quality problems. The intelligent control techniques employed the heuristic optimisation of the control system using genetic algorithm, particle swarm optimisation and gravitational search algorithm. The intelligent control techniques can be applied to hybrid solar-PV with battery energy storage system (PV-BES) for example in minimizing the impacts of output power fluctuations injected to the utility grid. Minimizing the output power fluctuation of solar PV sources provide benefits in terms of allowing more penetration of solar-PV based renewable energy sources to the utility grid. My other research interest is in energy conservation and energy efficiency improvement of building. The research is focused on the development of smart metering device for energy monitoring purposes. The device is constructed based on programming of low cost Arduino UNO micro-controller or the Raspberry-Pi computer that can log the building's consumption data measured using current and voltage transducers. The smart meter supports internet of things (IoT) technology that can be used to monitor the consumption data in real time. These data are useful in analysing and segregating the building loads so that the features of individual loads data can be identified. This can easily allow the occupant to carry out the energy conservation and energy efficiency improvement activities in a building.

Electrical and Electronic Engineering
Renewable Energy and Energy Efficiency
Solar Photovoltaic System, Smart Meter Development, Energy Monitoring

- IEEE member (#80526349)
- Board of Engineers (BEM) Malaysia
- Malaysia Board of Technologies (MBOT)

- Universiti Kebangsaan Malaysia
- Center for Electrical Energy System (CEES) UTM
- UAE University, United Arab Emirates

- Scopus ID : 55348149900
- ORCID : 0000-0003-3003-3068
- Google Scholar : Muhamad Zalani Daud

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BEng., MEng. (UTM) | PhD. (UPM)

My research interest is focused on the environmental engineering or technology focusing on waste management system emphasizing on waste recovery processes in producing renewable energy or valuable product. Implementing the waste to resources concept, my current research is working on anaerobic and fermentation process technology. Through anaerobic process with specific controlling parameters, a waste can be treated as well as methane can be recovered as a source of renewable energy. Through fermentation process, an organic fraction from solid waste can be converted into valuable product which is known as enzyme. This enzyme has the capability to treat certain types of wastewater because it contains bio catalytic activities which react as degradation factors for selected pollutants. My research development is to strengthen the knowledge in producing low cost waste recovery technology for waste/wastewater treatment application.

Environmental Engineering
Waste management
Organic waste recovery

- Board of Engineers Malaysia

- Universiti Putra Malaysia
- Politeknik Sultan Idris Shah

- Scopus ID : 56516956900
- Researchgate : Nazaitulshila Rasit
- Google Scholar : Nazaitulshila Rasit

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NUR FARIZAN MUNAJAT
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NURUL ADYANI GHAZALI
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EDUCATION

BSc., MSc. (UTM)

PhD. (Stockholm)

BEng., MSc., PhD. (USM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My main research interests lie in the area of renewable energy sources and techniques for their efficient use to generate heat and power via thermochemical process. In this area, I particularly focused on the energy conversion technology such as combustion, pyrolysis and gasification of biomass and their integrated components. I've been working on conversion of biomass feedstock in an integrated downdraft gasifier-combustor system. The syngas compositions, flame characteristics and emissions from the syngas combustion are among the key parameters to ensure the efficient use of biomass for heat and power generation. Currently, I work on characterization of biomass fuels (e.g. macroalgae, kitchen-waste) and kinetic study of chemical reactions during the thermochemical process (e.g. torrefaction and pyrolysis). In addition, I also interested in development of solar driven thermochemical biomass conversion system with hope to reduce the total amount of energy use for the process and emissions release during the process.

My research interest revolves around an air pollution study particularly on gaseous pollutants such as ozone. My recent research focuses on the statistical analysis of air pollutant includes regression analysis, time series analysis, and distribution analysis particularly in developing a model to predict ozone concentration in Malaysia. My research interest also focuses on the atmospheric photochemical processes, air pollutant transport and their atmospheric transformation. Besides that, I am also working on an air pollution control technology. I am also interested in air pollution management system and environmental impact assessment. My work will help local authorities to take an appropriate course of action to reduce air pollutant concentration and could also be used as an early warning systems. Besides, my work also will contribute to draw an action base framework to manage the adverse impacts of specific gaseous pollutants in urban area in Malaysia.

FIELD	Heat and Power Technology	Civil Engineering
EXPERTISE	Energy Conversion, Renewable Energy	Environmental Engineering (Air Pollution)
SPECIALIZATION	Biomass conversion, Combustion, Gasification, Pyrolysis	Air Quality Studies, Air Pollution Modeling, Pollution Control Technology & Management
PROFESSIONAL MEMBERSHIP	• Malaysia Board of Technologists (MBOT)	• Board of Engineers Malaysia (BEM)
NETWORKING & RESEARCH COLLABORATION	• Royal Institute of Technology (KTH), Stockholm, Sweden • School of Mechanical Engineering, Universiti Sains Malaysia	• City University of Hong Kong, Hong Kong • University of Philippines • Universiti Teknologi Petronas, Malaysia • Universiti Sains Malaysia, Malaysia • Universiti Malaysia Perlis, Malaysia
PUBLICATION	• Scopus ID : 55962361500 • Researchgate : Nur Farizan Munajat • Google Scholar : Munajat, N. F.	• Scopus ID : 26430938300 • Researchgate : Nurul Adyani Ghazali. • Google Scholar : Nurul Adyani Ghazali

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MEng. (QUB)

PhD. (Sheffield)

My research is concerned with catalytic reaction engineering; in particular to improve selectivity and activity and the development of novel catalytic material. With respect to reaction engineering research, I am focused on the chemical production via alternative routes subjected to the use of waste including glycerol and carbon dioxide. Commercialisation of biodiesel as an alternative fuel source has generated a significant amount of crude glycerol waste. Prior research on the utilisation of crude glycerol is very limited; but it has gained much interest as the glycerol purification can be eliminated. Carbon dioxide is significantly increasing reaching ~408 ppm in January 2019 and increased efforts towards carbon capture mean that carbon dioxide is likely to become a readily available feedstock. However, carbon dioxide is thermodynamically stable which has to be taken into account when considering carbon dioxide utilisation as chemical feedstock. Therefore, catalyst must be employed in this reaction. The successful of this work is depend on the catalysts and the reaction parameter. I am committed to expand my knowledge on catalysis and focused on the fuel production from waste and biomass; also in glycerol upgrading.

Chemical Engineering
Catalysis
Carbon Dioxide Utilisation, Glycerol Upgrading

- Scopus ID :
- Researchgate :
- Google Scholar :

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BSc. (Salahaddin)

MSc., PhD. (UTM)

My research interest is focused on the strain and Fiber Bragg Grating sensor (FBGs) to apply the developed sensor system on different mediums in order to investigate the FBGs acoustic detection performance. This field of research required detail understanding of strain and Fiber Bragg Grating sensor (FBGs). Development of Fiber Bragg Grating (FBG) bonded onto the graphene with polymer plate substrate at different applied stress locations, analyse the performance of FBG and enhance the response of the FBG sensor. Conducting this research with changing grating length of FBG to analyse the sensitivity. The developed sensor test bed system will finally be tested in different mediums like water and transformer oil. Likewise, it will be applied into different application areas like, usage as a hydrophone in sonar process and usage for detecting discharges inside a transformer. Just as in the previous phase, attempts will be made to identify the fingerprint of the different sources used. Also, with finding a very sensitive sensor can be produced which is useful for environmental monitoring and alarm system.

Physics
Fiber Optic Sensor
Strain Sensor, FBG Sensor

- Universiti Teknologi Malaysia, Malaysia.
- Salahaddin University, Erbil Iraq
- Charmo University, Sulaimania, Iraq

- Scopus ID : 33156677
- Researchgate : Younis Mohammed Salih
- Google Scholar : Younis Mohammed salih Hama

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. MSc. (UM)

PhD. (Wollongong)

BSc., MSc. (UTP)

PhD. (UTS)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest revolves around development of energy storage nanomaterials/nanocomposites for lithium-ion battery and supercapacitor towards the realization of green energy futures. I am also conducts a research on the catalyst for solid-state hydrogen storage materials. I am working on the understanding of the formation of the nanomaterials/nanocomposites synthesizing by various approaches such as hydrothermal, solid-state, sol-gel, ball-mill, and rheological methods. Also, elucidate the basic understanding of the morphology, structure and electrochemical performances of the nanomaterials/nanocomposites. For instance, I have successfully studied on numerous graphene-based, metals-based, metal oxides-based and conducting polymers-based nanomaterials/nanocomposites. I am familiar with characterization techniques such as X-ray diffraction, Fourier-transform infrared, scanning electron microscope, high-resolution transmission electron microscope, cyclic voltammetry, electrochemical impedance spectroscopy and battery analyzer. My work will contribute in the green energy storage research and development and thus, reduce our reliance on fossil fuels and alleviate air pollution.

My research interest is focused on modelling and simulation of electric vehicle, hybrid electric vehicle and plug-in hybrid electric vehicle, development of energy management strategy and optimization method. This field of research required detail understanding of mathematical modelling and simulation using MATLAB/SIMULINK software, in order to develop vehicle components, such as electric machine, internal combustion engine and energy storage system model. With modelling and simulation, the electric, hybrid electric and plug in hybrid electric vehicles can be designed and optimized first before the real vehicle were produced. I've also explored the development of driving cycle using MATLAB software using several techniques such as modal, pattern classification, microtrip-based, and segment-based. The speed and time data will be used in modelling, simulation and optimization to achieve the better vehicle performance in terms of energy consumptions and emissions.

FIELD
Advanced Materials

EXPERTISE
Energy Storage Materials

SPECIALIZATION
Lithium-ion Battery, Supercapacitor, Nanomaterials

Engineering

Electric and Electronic Engineering

Modelling and simulation, Energy Management Strategy Optimization, Driving Cycle Development

PROFESSIONAL MEMBERSHIP
- Malaysia Board of Technologist
- Malaysia Association on Solid-State Society
- Malaysian Nuclear Society
- Board of Engineers Malaysia
- Malaysia Board of Technologists

NETWORKING & RESEARCH COLLABORATION
- University of Wollongong, Australia
- Deakin University
- Sepuluh Nopember Institute of Technology Surabaya, Indonesia
- University of Malaya
- University of Technology Sydney, Australia
- Universiti Teknologi Petronas, Malaysia
- Universiti Malaysia Pahang, Malaysia
- Universiti Malaysia Perlis, Malaysia

PUBLICATION
- Scopus ID : 36659181400
- Researcher ID : K-4915-2012
- Google Scholar : Nurul Hayati Idris
- Scopus ID : 6508246447
- Researchgate : Salisa Abdul Rahman
- Google Scholar : A. R. Salisa, Abdul Rahman S.

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BTech., PhD. (UMT)

My recent research work focuses on the big data analytics and development of advanced algorithms (Artificial Intelligence and Machine Learning) in meeting the Fourth (4.0) Industrial Revolution Challenges to uncover the pattern (trend), unknown correlations and other useful information that can help in decision making, fitting to the air quality context. His research also relies on the study of complexity and nonlinearity of atmospheric pollutants, especially particulate matter underlying the influence of meteorological parameters. Environmental noise pollution is also a great interest of research which aiming in reducing the exposure of community to unwanted noise, especially at sensitive areas. Samsuri has 21 publications in academic and scientific journals (10 journals) and conference abstracts (11 abstracts). He has been involved in several research projects such as "Characterization and Source Distribution of Particulate Matter (PM) in Kelantan State, Malaysia: Post-Flood" and "Characterization and Source Distribution of Fine Particulate Matter (PM2.5) in the East Coast of Peninsular Malaysia". Furthermore, he also participated in consultancy project offered by Tenaga Nasional Berhad Research (TNBR) for source apportionment and dust fingerprint project at TNB Manjung Power Plant in Perak.

Air Quality

Air Pollution Modelling

Statistical Modelling, Artificial Intelligence, Noise Pollution

- Graduate Technologist, Malaysia

- Universiti Putra Malaysia
- National University of Malaysia
- Kenyir Research Institute, Malaysia
- TNB Research Sdn, Bhd, Malaysia
- Excel Enviro Tech, EET, Malaysia

- Scopus ID : 56509029800
- Researchgate : Samsuri Abdullah
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BTech. (UMT) MSc. (Sweden) PhD. (Meiji)

My research interest is to uncover unknown mechanisms in soil and to mathematically describe the movement of liquid water, water vapor, and heat movement in unsaturated soils. The agriculture soil has significant important in food supply. Water is one of the most important sources for plant growth. The presence of water in soil is inevitably accompany by evaporation and condensation dynamics of water vapor. Accompanied by direct exposure to sunlight and other environmental factors such as wind, humidity, soil particle size distribution, etc., the accuracy in prediction the dynamics of water, vapor, and heat movement in environmental soil remained one of the biggest challenges in field soil physics to be solved. The solution of the study has important implication that is far beyond the basic needs in food supply. The uncover environmental soil physics knowledge can be extrapolated to understand the movement of water, vapor and heat under microgravity environment in outer space. The current scientific discovery in soil physics has a far reaching implication than to the survival of human kind in reclaiming agricultural land, the water, vapor, heat modelling is important to predict revival of plant growth in other planets such as planet Mars.

Agriculture Environment

Environmental Soil Physics

Water, vapor and heat movement in unsaturated soils

- Soil Science Society of America
- Malaysian Soil Science Society
- Malaysian Board of Technologists
- Malaysian Institute of Physics
- Malaysian Society of Engineering and Technology

- Meiji University, Japan
- Universiti Putra Malaysia, Malaysia
- North Carolina State University, United States

- Scopus ID : 56954597900
- Researchgate : Eng Giap Goh
- Google Scholar : Sunny Goh Eng Giap

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

ANUAR ABU BAKAR
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MOHD AZLAN MUSA
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EDUCATION

Ad.Dip. (Victoria) | BSc. (UTM) | MSc. (RMIT) | PhD. (Newcastle)

BEng., MEng. (UTM) | PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

His research interest is mainly focused on marine structures that cover wide ranges of ship structural design, structural impact, ultimate strength of steel, aluminium & composite structures. His PhD research area is in ship collision and grounding performances working on the finite element analysis of ship structural responses during collision and grounding and established simplified method to predict collision forces for variety collision angles. Dr. Anuar currently looking forward in his research to a structural response and ultimate strength of structures using steel, aluminium, composites as the main structure's material. The research will extend to investigate the effect of blast loading and impact mechanism for actual structure sizes.

My research interest is focused on the marine renewable energy in response to energy demand and environmental awareness. This field of research required detail understanding of marine engineering, fluid mechanic, wave and hydrodynamic theory. My PhD research area is concerned with the investigating the influence of breakwater parameters to increase overtopping discharge for energy conversion purposes. The research has established a new prediction model in estimating overtopping wave energy for different breakwater ramp parameters. Currently, I'm looking forward to explore more detail knowledge in hydrodynamics interaction into Wave Energy Converters (WEC) using numerical Computer Fluid Dynamic (CFD) and experimental approaches. The research will extend to investigate the effect and potentiality of WEC to be applied for local usage.

FIELD
Mechanical/Marine

EXPERTISE
Marine Technology

SPECIALIZATION
Marine Structures, Ship Structural, Structural Impact, Composite Structures

FIELD
Mechanical

EXPERTISE
Marine Technology

SPECIALIZATION
Marine Renewable Energy, Wave Energy, Overtopping Wave, Hydrodynamics

PROFESSIONAL MEMBERSHIP

- Chartered Engineer, Engineering Council, UK
- Chartered Marine Engineer, IMarEST, UK
- Graduate Member, Board of Engineers Malaysia
- Graduate Technologists, Malaysia Board of Technologists

- Board of Engineer Malaysia
- Institute of Marine Engineering Science & Technology, United Kingdom

NETWORKING & RESEARCH COLLABORATION

- University Technology Malaysia
- Bangladesh University of Engineering and Technology
- South Eastern University of Sri Langka

PUBLICATION

- Scopus ID : 55500451000
- Researcher ID : Anuar Abu Bakar
- Google Scholar : Anuar Abu Bakar

- Scopus ID : 55390583100
- Researchgate : Azlan Musa
- Google Scholar : Mohd Azlan Musa

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Dip. (UiTM)

BEng., MSc, PhD. (UPM)

My research interest is focused on the natural fibres, sustainability, biodegradable and environmental friendly resources reinforced composite materials response to materials characterisation and mechanical properties. This field of research required detail understanding such as defects in composites manufacturing, interfacial adhesion, matrix-composites bonding, damage and failures towards materials performances especially in their mechanical properties. Concurrently, the other researches that I have explored in the past few years were lie in the strength of material's area with emphasis on the bio-composite concrete structures from wastes and also biodegradable and recycled materials which namely as hybrid reinforced polymer composites, lingo-cellulosic reinforced polymer and biodegradable composites for fire retardant composites. Then, my other researches interests are on Infrared Thermal Imaging, a non-destructive evaluation (NDE) or non-destructive techniques (NDT) on composites materials characterisation and the development of an alternative composite materials for pipeline coating and inhibitors towards corrosion control and prevention in a marine corrosive environment.

Materials Engineering
Composite Materials
Natural fibre reinforced composites,
Materials Defects, Materials Characterization

- Board of Engineering Malaysia, BEM
- Malaysia Board of Technologies, MBOT

- Universiti Putra Malaysia, UPM
- National Defence Universiti of Malaysia, UPNM
- Universiti Malaysia Pahang, UMP
- Institute of Materials Malaysia, IMM

- Scopus ID : 57191645563
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BTech. (USM)

MSc. (UKM)

PhD. (Aberdeen)

I am proficient in human exposure science with interests in environmental and occupational epidemiology, human exposure assessment, tobacco control and the health effects of various pollutants to health. I am skilful in conducting human study, developing questionnaires and handling human biological samples. I have had a rewarding experience to engage in a community based project to reduce second-hand smoke exposure at home in Aberdeenshire, Scotland during my postgraduate study. I was given an opportunity to measure particulate matter arising from smoking in more than 30 homes in Aberdeenshire and provide feedbacks to participants. My current interest is on the second-hand smoke exposure in the workplace and homes as well. I am able to demonstrate the relationship between short term exposure to tobacco smoke and the mortality risks in human, as a result of being exposed to second-hand smoke by using biomarkers of exposure. Other research interests I have explored in the past few years were occupational safety and health management, indoor air quality study, environmental management and environmental technology. I am committed to explore research in occupational health related field.

Occupational Safety and Health
Occupational Health, Occupational Hygiene
Exposure Assessment

- British Occupational Hygiene Society
- Malaysian Industrial Hygiene Association
- Malaysia Board of Technologists

- University of Stirling, Scotland, UK
- Liverpool School of Tropical Medicine, Liverpool, UK
- Universiti Putra Malaysia
- Universiti Sains Malaysia
- Universiti Islam Antarabangsa Malaysia

- Scopus ID : 55212391600
- Researchgate : Tengku Ibrahim
- Google Scholar : Tengku Azmina Ibrahim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

WAN HAFIZA WAN HASSAN
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WAN MARIAM WAN MUDA
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EDUCATION

BEng. (MMU)	BEng., MSc. (USM)
MSc. (UPM)	PhD. (UWA)
PhD. (Melbourne)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is on all aspects related to wireless communications and its applications in current and future wireless systems. It focuses on topics related to Physical layer (PHY) and medium access control (MAC), on Cross-layer design, and issues related to PHY layer-related network analysis and design. In the past, I have proposed enhancements of the wireless media in Fiber-Wireless (Fi-Wi) networks so that the large capacity provided by the fiber is utilized as a solution for delivering broadband access by combining the huge capacity of fiber with the mobility of wireless networks. Recently, my current interest is focused on underwater optical wireless communication system (UOWC). UOWC refers to data transmission in unguided water environment through optical wireless carriers. Optical wave offers higher transmission bandwidth, thus supporting much higher data rate with low power and mass requirement. In line with the empowerment of industrial revolution 4.0, this work provides a strong platform for the realization of underwater internet of things (IoT). In order to ensure a sustainable development of offshore resources, it is required to have a system of unmanned vehicles that roam the depths of the sea, communicating with underwater sensors and relaying information to networks back on the surface. The key element to the success of this system is a reliable communication zone and we optimist underwater optical wireless communication has it all to offer. Besides, I also have interest in innovative projects related to internet of things by integrating electronic sensors with the suitable communication modules using available processor such as Arduino and Raspberry-Pi.

My research interest is focused on control theory and applications. In control theory, my research is based on the model order reduction (MOR) techniques. This field of research required detail understanding of mathematical modelling and simulation using MATLAB software. A few new techniques have been proposed and published, specifically for stable and passive system using balanced truncation methods. Using MOR techniques, the complicated model of any dynamic system can be simplified without losing its main properties. I've also explored the control in renewable energy system, especially in DC/DC converter and inverter. Since the renewable energy (RE) sources are strongly depends on the weather or natural sources, and the output voltage from RE system are not stable and fluctuate, looking for a new algorithm to control the output voltage to suit with the utility grid is a great challenge. I also teach microprocessor and microcontroller subject, which give me advantage to explore more on the controller. One of the challenges is developing a robot using microcontroller by integrating with different types of sensors and mechanical system. I'm also interested in expanding my research by integrating the controller with Internet of Thing (IoT) to be accessed via app or website.

FIELD	Electronics Engineering	Electrical and Electronic Engineering
EXPERTISE	Communication Engineering	Control system
SPECIALIZATION	Wireless Communications, Underwater Communications	Control theory, Control in renewable energy, Control in embedded system
PROFESSIONAL MEMBERSHIP	Board of Engineers Malaysia (BEM) Malaysia Board Of Technologists (MBOT)	Board of Engineers Malaysia Malaysia Board of Technologists
NETWORKING & RESEARCH COLLABORATION	Victoria University, Melbourne, Australia Effat University , Jeddah, KSA Universiti Teknologi Petronas MIMOS Berhad edotco Group Sdn Bhd	University of Western Australia International Islamic University Malaysia Universiti Teknologi Malaysia
PUBLICATION	Scopus ID : 15046834000 Researchgate : Wan Hassan, Wan Hafiza Google Scholar : Wan Hafiza Wan Hassan	Scopus ID : 51462444900 Researchgate : Wan Mariam Wan Muda Google Scholar : Wan Mariam Wan Muda

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BEng. (USM) | MEng. (UTHM) | PhD (Colorado)

Dr. Wan Nurdiyana binti Wan Mansor is a senior lecturer in the School of Ocean Engineering at Universiti Malaysia Terengganu. Her research interests include internal combustion engines, emissions, combustion, alternative fuels and Computational Fluid Dynamics (CFD). Her previous research at the CSU Engines & Energy Conversion Laboratory (EECL) involves evaluation of diesel engine's emissions and performance with natural gas for off-road application. Diesel derivative dual fuel engine with natural gas offer a path toward meeting current and future emissions standards with lower fuel cost. However, numerous technical challenges remain, which require a greater understanding of the in-cylinder combustion physics. Through combined modelling and experiments, she and her team uncovered that the performance of the engine is limited by the knocking and high emission at low loads. Current research projects include developing a low cost particulate matter monitor for air quality measurement and calculation of emissions using mathematical approach. Prior to joining academia, she served as a team member for the Compressed Natural Gas Direct Injection (CNGDI) project, funded by the Ministry of Science, Technology and Innovation (MOSTI) at Universiti Teknologi Petronas. The project aimed at analysing the combustion process of a spark ignition engine fuelled with compressed natural gas using endoscopic optical access. Dr. Wan Nurdiyana teaches undergraduate courses on heat transfer, fluid mechanics, and thermodynamics. She is the member of The Combustion Institute and a registered engineer with BEM.

Internal Combustion Engine
Engine's Emission and Performance
Dual Fuel Engine, Diesel Engine, CFD

- The Combustion Institute
- Board of Engineers Malaysia

- Colorado State University, USA
- Universiti Tun Hussein Onn, Malaysia
- Universiti Malaysia Pahang, Malaysia

- Scopus ID : 56896999100
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- Google Scholar : Wan Nurdiyana Wan Mansor

WAN SALIDA
WAN MANSOR
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BEng., MEng. (UTM) | PhD. (Bath)

My research interest is focused into developing the photocatalysis approach of removing micropollutants from wastewater. The removal of micropollutants from water is one of the biggest public health and environmental challenges dealing with the water industry. Micropollutants include highly toxic components such as drugs, hormones, and pesticides. They are present in low concentrations in wastewater and slowly accumulate in the soil and groundwater, finally finding their way into the food chain where they may become severe health hazards. Current technology at most water treatment plants is unable of removing micropollutants, requiring an additional treatment step. A promising method is photocatalysis, which uses light to increase the rate at which organic pollutants break down into non-harmful components. However, there are currently two drawbacks to this method. While photocatalytic nanoparticles combined with wastewater in a slurry reactor will degrade micropollutants, expensive downstream retention is required to stop the potentially-harmful nanoparticles from getting into the environment. An alternative is to use a reactor where the catalyst is immobilised and therefore not combined together with the wastewater, however the immobilised catalyst has a lower activity due to a decreased surface area and higher scattering of the UV light.

Chemical Engineering
Catalytic Reactor Engineering
Nanomaterial and Nanotechnology

- Institution of Chemical Engineers

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

CHE WAN MOHD NOOR
Dr.

MD NURUL ISLAM SIDDIQUE
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EDUCATION

BEng., MEng. (UTM)

PhD. (UMP)

BSc., MSc. (UKM)

PhD. (UMP)

RESEARCH CONTRIBUTION & ACHIEVEMENT

His research interest is on internal combustion engine research focusing on marine diesel engine combustion including system efficiency and emissions reduction. His PhD research area is in application of palm biodiesel blends in low compression marine diesel engine. Apart from experimental, he expert in machine learning approach such as artificial neural network simulation model in determining the engine performance parameters. He is currently looking forward in emission reduction research of marine diesel engine by using alternative fuel and water emulsion method.

My research interests concern Co-digestion of petrochemical wastewater with activated manure in continuous stirred tank reactor for methane production with my primary research focus being the conversion of waste to energy. I am particularly interested in Water and wastewater Treatment Process, Advanced Treatment Process, Anaerobic digestion process, High rate Anaerobic Reactor Design and construction, Bio-methane Production, Contaminant Removal, Clean Technology Management (waste minimization, energy recycling), Process Intensification, Anaerobic co-digestion, Chemical Treatment (Oxidation, coagulation), Bio-augmentation, Feasibility Analysis (cost estimation), Bio-Granulation, Activated sludge process, Integrated Urban Water Management, Water re-use (recycling). My current research focus concerns the technical and financial analysis and implementation of anaerobic technologies to enhance bioenergy production and pollution control. Current research involves prediction of optimal implementation of advanced water treatment technologies, minimizing costs required to maintain a certain water quality and maximizing water quality given a fixed cost.

FIELD

Mechanical/Marine

Environmental Engineering

EXPERTISE

Marine Technology

Renewable Energy, Wastewater treatment

SPECIALIZATION

Engine Combustion, Alternative Fuel, ANN model

Anaerobic Co-digestion, Waste to energy, Advanced wastewater treatment

PROFESSIONAL MEMBERSHIP

- Graduate Member, Board of Engineers Malaysia
- Graduate Member, Institute of Engineers Malaysia
- Graduate Technologists, Malaysia Board of Technologists
- Institute of Engineers association Bangladesh

NETWORKING & RESEARCH COLLABORATION

- University Malaysia Pahang, Malaysia
- Khulna university of Engineering Technology, Bangladesh
- University Technology Malaysia, Malaysia
- University of Garmian, Iraq

PUBLICATION

- Scopus ID : 55354199700, 55956848000
- Researchgate : Mohd Noor C.W.
- Google Scholar : Che Wan Mohd Noor
- Scopus ID : 55929475500
- Researchgate : Md_Nurul_Islam_Siddique
- Google Scholar : DR MD NURUL ISLAM SIDDIQUE

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BSc., PhD. (UMT)

My research interest is focused on the corrosion prevention method in seawater medium. This field of research required detail understanding of electrochemical behaviour of the metal in seawater as well as the mechanism of coating and inhibitor. Development of corrosion inhibitor and coating has been conducted to minimize losses due to corrosion problem. Natural resource was utilized and developed as anti-corrosion additive in coating. Material characterizations have been conducted using optical, electrochemical and mechanical and the findings show that natural resources have a vast potential in combating corrosion. Corrosion is an interesting research topic since it is a natural occurrence process and preventive action is a vital consideration in order to slow down the problem.

Maritime Technology
Materials Science and Technology
Corrosion inhibitor, Coating, Electrochemical, Material characterizations

- Malaysia Board of Technologist

- Benha University, Egypt
- Hiroshima University, Japan

- Scopus ID : 55335114500
- Researchgate : Mohammad fakhratul Ridwan Zulkifli
- Google Scholar : Fakhratul Zulkifli

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BSc., MSc., PhD. (UiTM)

My research interests are focused on hydraulic and hydrology. The specialization is on erosion and sedimentation. This field of research require detail understanding of weather, fluvial morphology and fluid dynamics. Erosion and sedimentation processes have shaped our world landscape in the past. Thus, it is very crucial to comprehend the dynamics of those processes and the associate impacts to the community. Field work and computer simulation are the core of my research specialization. Field measurement using direct quantification of erosion, transport and sedimentation is my current niche in hydraulic and hydrology. Computer simulation using HEC software and SWAT model complement my expertise on erosion and sedimentation prediction for event-based or long-term prediction. In the past, I have developed my own measurement unit and system to collect bed load samples at coarse bed river. In addition, a new mathematical model has been developed for bed load quantification at mountain rivers in Malaysia. Till today, 10 peer-reviewed and 2 books were published on erosion and sedimentation research in various platform.

Civil Engineering
Hydraulics and Hydrology
Erosion, Sedimentation, Environmental Modelling

- Board of Engineers Malaysia
- Institute of Engineers Malaysia
- International Association of Hydraulic Research

- WWF-Malaysia
- UNESCO – Water Division
- Institute of Tropical Forest (INTROP), UPM
- National Hydraulic Institute Malaysia (NAHRIM)

- Scopus ID : 57193795681
- Researchgate : Mohd_Sulaiman6
- Google Scholar : Mohd Sofiyan Sulaiman

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NURUL ADILAH ABDUL LATIFF
Datin Dr.

SHAHRUL ISMAIL
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EDUCATION

BEng. (USM) | MSc.(Newcastle) | PhD (Unimap)

BTech. (USM) | BEng. (UTM) | Ph.D (Wageningen) | Post-Doc (TU Delft)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interests are in the area of wireless communication system engineering especially on low power wide area network such as LoraWAN and wireless sensor network. This also includes wireless technology, communication engineering, computer communication network, mobile computing, Internet of Things (IoT), and computer and communication technology, as well as disaster communication management. To support my research, I have received research grants amounting of RM 519,626.00 from various international and local agencies including one community grant, either as a project leader or co-researcher. My work has been funded by one international grant from The Sumitomo Foundation, Japan in 2015, one industrial IoT grant from Malaysian Technical Standard Forum Berhad (MTSFB) in 2018, one community grant from NBOS in 2016, and public research grants from Universiti Malaysia Terengganu (UMT), the Ministry of Higher Education (MOHE), Malaysia, Universiti Putra Malaysia (UPM) and also Universiti Technology Malaysia (UTM) since 2012.

My research interest is focused on energy recovery from biomass especially wastewater via biorefinary process, mainly biogas and other end products such as bio-CNG. In 2002, when finished up my final year thesis about water treatment, I made decision to proceed my career on doing some development in quality as the water is the most essential element in our life. To proceed my academic carreer, I did my PhD at Wageningen University on Anaerobic Granulation Processes and continue worked as lecturer and researcher on water and wastewater related themes. Prior to my current position I was working as a post-doc at Delft Technological University in co-operation with the TUD Global Initiative to tackle global challenges, like implementation of energy recovery from biomass in developing countries. In my current project I am focussing on resource recovery from wastewater I am to integrate solar energy into biological waste water treatment systems with the aim of locally recovering potable water, nutrients, chemicals and energy carriers. Hydrothermal vents are my scientific source of inspiration, but in terms of application my core focus will be on tackling global challenges, like implementation of decentralized water reuse in arid regions or developing countries.

FIELD	Electrical & Electronic Engineering	Environmental Technology
EXPERTISE	Communication Network	Anaerobic Digestion Technology
SPECIALIZATION	Wireless and Mobile Communication Technology, Disaster Communication Management, IoT	Biogas, Biofuel, Wastewater treatment

PROFESSIONAL MEMBERSHIP

- Institute of Electrical and Electronic Engineering IEEE
- IEEE Communications and VTC Society
- IEEE Women in Engineering Society
- Board of Engineers Malaysia
- Malaysian Board of Technologist
- Malaysian Society for Engineering & Technology
- International Water Association
- Malaysian Water Association

NETWORKING & RESEARCH COLLABORATION

- Universiti Putra Malaysia
- Malaysian Technical Standards Forum Bhd
- University Technology Brunei
- Media Prima
- Wageningen UR, the Netherlands
- Delft Technological University, the Netherlands
- stanbul Technical University, Turkey
- Prince of Songkla University, Thailand
- Thaksin University, Thailand

PUBLICATION

- Scopus ID : 57198148665
- Researchgate : Nurul Adilah Abdul Latiff
- Google Scholar : Dr. Nurul Adilah Abdul Latiff
- Scopus ID : 25825034100
- Researchgate : shahrul bin ismail
- Google Scholar : Dr Shahrul Ismail

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BEng. (IIUM)

MSc. (UMT) PhD. (UMT)

My research interest is focused on the utilization of waste (e.g agriculture and marine bio-waste) to produce adsorbent for water and wastewater treatment. This field of research required detail understanding about the composition of certain bio-waste such as rice husk, empty fruit bunch, fish scales and crab shell. For the common research, I have extracted bioactive compound from marine bio-waste and integrated these compound with biomass from agriculture which to enhance its properties and can form an excellent adsorbent for pollutant removal such as dyes and heavy metals. Few formulation of adsorbent has been studied and the research has been extended to the characterization and application of adsorbent for water and wastewater treatment. These experimental methods provide the keys to a greater understanding on adsorption mechanism with the aid of modelling and looking for potential of scaling up the research findings into a system design. These approaches can discover truly low cost materials to be utilized in water and wastewater treatment and I am committed to apply the results of the experiment in the real world system. Other research interests I have explored in the past few years were the development of affinity chromatographic beads and ion exchange membrane for protein separation.

Biochemical Engineering
Separation Technology
Waste Recovery, Water & wastewater treatment, Membrane Technology

- Board Of Engineer

- Universiti Kebangsaan Malaysia
- Universiti Malaysia Pahang

- Scopus ID : 54954085300
- Researchgate : Sofiah Hamzah
- Google Scholar : Dr Sofiah Hamzah

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PDip.(UMP)

BSc., MSc., PhD. (UMT)

My research interests are in Energy & Environment and Renewable Energy Technology, especially on wind and marine energy. My research focuses on the effective management of renewable energy starting from the study of energy resource potential, technology eligibility, project development, cost-benefit studies, and electricity tariff. Besides that, I'm also interested to study the fundamental of renewable energy resources such as the effects of atmospheric characteristics, greenhouse gases saving and ENSO impact.

Environmental Engineering Technology
Energy & Environment, Renewable Energy
Wind Energy, Wave Energy, Techno-Economics, Environment modelling

- Malaysia Board of Technologist, Malaysia
- Institution of Geospatial and Remote Sensing Malaysia (IGRSM), Geospatialist (Gs.)
- ENSEARCH, Malaysia
- European Energy Centre (EEC), United Kingdom
- World Wind Energy Association (WWEA)

- Universiti Teknologi MARA
- Universiti Sains Malaysia
- Universiti Malaysia Sabah
- SEDA Malaysia

- Scopus ID : 55772882600
- Researchgate : A. Albani
- Google Scholar : Aliashim Albani

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

AIMA RAMLI
Dr.

ASNUZILAWATI ASARI
Dr.

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EDUCATION

MSc. (UKM)
BS.c (Hons.) Ph.D (UPM)
BSc., MSc. (UKM)
Ph.D (Nottingham)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Her research interest is in high temperature superconductor (HTS) in the copper oxide based materials such as YBCO and HoBCO. These HTS are prepared by coprecipitation and solid state method. The characterization samples used are transport properties measurement, XRD, SEM and AC susceptibility. In order to get high critical temperature (Tc), wet method such as coprecipitation is chosen due to its high purity, homogeneous and less contamination.

Dr Asnuzilawati Asari interest concentrated in the core area of organic chemistry. Her research focus on the synthetic pathway, structural modification of selected molecules and isolation of the bioactives molecules from marine organism for biological purposes. Currently, she involves in the structural exploration of marine alkaloid aaptamine, eugenol and cinnamic acid. She is also working towards the isolation of bioactive metabolites from sea cucumber and seaweed from Malaysia for biological screening.

FIELD Physics / Chemistry

EXPERTISE Superconductor, Material Science / Organic Chemistry

SPECIALIZATION High Temperature Superconductor, Magnetism / Organic Synthesis / Natural Products

PROFESSIONAL MEMBERSHIP

MASS (Malaysian Solid State Science and Technology)

NETWORKING & RESEARCH COLLABORATION

Universiti Putra Malaysia
Universiti Kebangsaan Malaysia

PUBLICATION

Scopus ID :
Researchgate : Aima Ramli
Google Scholar : Aima Ramli

Scopus ID : 35073432200/ 56380269300
Researchgate : Asnuzilawati Asari
Google Scholar :

AZILA ADNAN
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BSc., MSc. (UNIMAS)

Ph.D (Waikato)

Currently, I am developing a potential antimicrobial biomaterial using plant cellulose/mcirobial cellulose with some potential additives. Earned my Bachelor & Masters degree from Universiti Malaysia Sarawak (UNIMAS), and was working on producing secondary metabolites using natural rubber serum powder in different fermentation operating modes. My Doctorate study covered an investigation on microbial cellulose production in batch, fed-batch and continuous fermentation system, which utilized glycerol, banana peels and fish powder as low-cost carbon and nitrogen sources. My present research grant is on producing microbial cellulose from sugar cane bagasse and banana peels hydrolysates in batch system using Pseudomonas sp bacteria. The upcoming research will be on cellulose synthase mechanism in Komagataiebacter xylinus bacterium for the secretion of cellulose microfibrils in poly-ols sugars and algal water-soluble polysaccharides.

Bioprocess
Microbiology/Biochemistry/Biotechnology
Fermentation Technology, Bioprocess Technology, Biomaterial Production

- Universiti Malaysia Sarawak (UNIMAS)
- University Of Waikato

- Scopus ID :
- ResearchGate : Azila_Adnan
- Google Scholar : Azila Adnan

CHAN KOK SHENG
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BSc., MSc., PhD. (UPM)

His research interest is in the Fabrication and Characterization of nano-semiconductor photonic materials such as CdS nanowire, Si nanostructure, TiO_2 nanoparticles etc. for LED, solar cell, energy storage and optoelectronic applications. He also interested in the study of photostability and photophysical properties of dye in different medium using non-destructive photo-induced technique for tunable laser application and water treatment.

Physics
Material Science
Applied Optics and Nanomaterial

- Malaysian Association Of Solid State Science And Technology (MASS)

- Universiti Putra Malaysia

- Scopus ID : 0000-0003-2020-4759
- Researchgate :
- Google Scholar : Chan Kok Sheng

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

FAIZATUL SHIMAL MEHAMOD
Dr.

FARIZA HANIM SUHAILIN
Dr.

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EDUCATION

BSc., MSc. (Hons) (UKM)

PhD. (Strathclyde)

BSc., MSc. (UTM)

PhD. (Southampton)

RESEARCH CONTRIBUTION & ACHIEVEMENT

She Is Developing A New Research Interest In The Area Of Molecularly Imprinted Polymers (Mips) Which Include The Development Of A Precipitation Polymerisation Method That Yields Monodisperse, Spherical, Imprinted Polymer Microspheres, Quickly, Cleanly And In Excellent Yield, Robust Polymer Matrices For The Selective Extraction Of Pollutants And Drugs From Complex Chemical And Biological Matrices Such As River Water, Liver, Fruit And Biofluids (E.G., Urine) And Protein Imprinted Polymers. In Addition To That, She Is Developing An Environmental Sensor Based On Mips.

Her interest in the field of semiconductor photonics for nonlinear applications. It involves optical fibre fabrication, characterisation and subsequence development of semiconductor fibre-based devices via standard post-processing method. Novel device geometries with tailored light confinement can have a high nonlinearity to achieve all-optical signal processing. Furthermore, fibre-based devices can also be utilised for development of ultra-compact sensors for medical, biology and chemistry fields.

FIELD	Chemistry	Physics
EXPERTISE	Polymer / Sensor	Photonics & Optoelectronics
SPECIALIZATION	Molecularly Imprinted Polymers (Mips)	Nonlinear Fibre Optics, Silicon Photonics, Silicon Optical Fibre, Whispering Gallery Mode Microresonator, Fibre Taper, Fibre Laser, Telecommunication Technology

PROFESSIONAL MEMBERSHIP

- Persatuan Sensor Malaysia
- Optical Society Of America (OSA)

NETWORKING & RESEARCH COLLABORATION

- Herbwalk Langkawi

PUBLICATION

- Scopus ID : 6504631801
- Researchgate : Faizatul Mehamod
- Google Scholar : Faizatul Shimal Mehamod

- Scopus ID : 35106082600
- Researchgate : Fariza_Suhailin
- Google Scholar : suhailin fariza

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BSc. (HONS) (UPM)

PhD. (UMT)

Her current research is on the characterisation of cytotoxicity mechanism of potential anti-amoebic compounds on free-living and host-dependent amoeba. Her study involves in-vitro and in-silico assessment of synthetized compunds or plant extracts. Ongoing research projects are on characterisation of highly pathogenic yet unknown amoeba isolated from fish gills based on morphological and molecular identification.

Biology
Microscopy Techniques, Tissue Culture
Protozoology

- Malaysia Microscopy Society

- Mr. Zarizah Suhaili and Prof. Dr. Abdul Manaf Ali (Universiti Sultan Zainal Abidin)
- Dr. Azlina Fazlin Osman (Universiti Malaysia Perlis)
- Dr. Eny Kusrini (Universitas Indonesia)

- Scopus ID : 56589652100
- Researchgate : Fatimah Hashim
- Google Scholar : Fatimah Hashim

FAZILAH ARIFFIN
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Dip. (UiTM)

Bsc., MSc. (UPM)

PhD. (USM)

Her research interest are on Polycyclic Aromatic Hydrocarbon (PAH) and pesticide bioremediation (particularly soils)for sustainable agriculture and environment."Bioremediation" is the use of living organisms to clean up environments that have been contaminated with pollutants. She is focussing on the understanding of microbial interactions and microbial degradation processes in the environment. Include, identification of bacteria that are capable of bioremediation, and how do these bacteria survive in environments contaminated with pollutants? Elucidating the mechanism involved in the biodegradation process and finding novel approaches to increase the transformation of recalcitrant pollutants.

Environmental Microbiology
Bioremediation
Microbial degradation of organic contaminants

- Malaysian Society for Microbiology
- Malaysian Society of Soil Science
- Malaysian Society of Applied Biology

- Universiti Sains Malaysia
- Jabatan Perkhimatan Veterinar Negeri Terengganu

- Scopus ID : 16032812800
- Researchgate : Fazilah Ariffin
- Google Scholar : Fazilah A

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

HANIS
MOHD YUSOFF
Dr.

HAZLINA
AHAMAD ZAKERI
Dr.

CONTACT

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EDUCATION

BSc., MSc. (UTM)
PhD. (Tohoku)

BSc. Hons (Salford)
MSc. (UPM)
PhD. (Hamburg)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Her research interest is on nanomaterials and its application. Nanomaterials are known for its wide applications such as catalyst in various reaction, as co-material as well as adsorbent. Current interest are as a base or linker in biosensor indetecting cancer at preliminary stage. By synthesizing specific functional group with optimized parameters. It is highly expected that a compatible biosensor/ DNA sensor can be design to detect cancer cells. Findings from this study is hoped to give better understanding about the role of linker/spacer in biosensor/DNA sensor and further improved the sensor.

Her current research is on characterisation of the properties of the proteins expressed in organisms affected by changes in their environment using proteomics tool for biomarker discovery.

FIELD
Chemistry

EXPERTISE
Physical Chemistry

SPECIALIZATION
Photochemistry, nanomaterials and surface adsorption

FIELD
Biological Sciences

EXPERTISE
Biochemistry

SPECIALIZATION
Proteins Study

PROFESSIONAL MEMBERSHIP

- Asian Federation of Biotechnology

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID : 55755140900
- Researchgate :
- Google Scholar :

- Scopus ID : 56460260500
- Researchgate : Hazlina Ahamad Zakeri
- Google Scholar : Hazlina Ahamad Zakeri

KHADIJAH HILMUN KAMARUDIN
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BSc. Hons (UKM) | MSc. (USM) | PhD. (UMT)

Her interest is in polymeric materials and solid state ionics. I am particularly interested in the preparation and characterization of polymeric materials, with applications in solid-state electrochemical devices. My current research is focused on the preparation and characterization of solid electrolytes based biodegradable polymer for all-solid-state electrochemical device applications.

Physics
Solid State Physics
Polymeric Materials, Ionics, Solid-State Proton Battery, Medical Physics

- THE MASS MALAYSIA
- PERFIK
- Kelab UNESCO UMT
- Rakan Alam Sekitar (RAS)

- Advanced Materials Team (AMt), Universiti Malaysia Terengganu
- School of Medical Imaging, Universiti Sultan Zainal Abidin (UniSZA)

- Scopus ID : 37072653700
- Researchgate : K.H.Kamarudin
- Google Scholar :

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BSc., MSc. (UPM) | PhD. (East Anglia)

Her initial research interest is in the area of fine particles emphasis in surfactant systems. Now, her interest is directed more toward nanomaterials and their applications in drug delivery systems. Currently, she is focusing on the application of magnetic nanoparticles in removing heavy metals in water system.

Physical Chemistry
Colloid Chemistry/nanomagnetic
Nanomaterials

- Royal Chemistry Society

- Pusat Pengajian Sains Asas (PPSA), UMT

- Scopus ID : 33156677
- Researchgate : Laili Che Rose
- Google Scholar : Laili Che Rose

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

LEE **OON JEW**
Dr.

MA **NYUK LING**
Dr.

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EDUCATION

BSc., MSc. (UPM)
PhD. (Cambridge)

BSc., MSc. (UMT)
PhD. (Imperial)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Vertiacally Aligned Nanocomposites
Ferroelectric epitaxial thin films
Photoluminescent studies of rare-earth oxides
1D and 2D nanostructures of rare-earth oxides

Organism undergoes different biological process, pathogenic process or pharmacological responses toward various environmental changes. These responses are biological indicators called biomarkers and it can be measured and characterized. My research interest is to identify stress biomarkers under various stress condition in plant cells for crop improvement. In my lab, we incorporated omics strategies including genomics, proteomics and metabolomics to target oxidative stress stimulated mechanisms.

FIELD
Materials Science

EXPERTISE
Nanoscience and Nanotechnologies

SPECIALIZATION
Ferroelectrics, Nanocomposite

FIELD
Cell and Molecular Biology

EXPERTISE
Metabolomics, proteomics, plant tissue culture

SPECIALIZATION
Plant Cell

PROFESSIONAL MEMBERSHIP

Life member of Malaysian Solid State Science and Technology Society

NETWORKING & RESEARCH COLLABORATION

Universiti Putra Malaysia
University of Cambridge

- Imperial College London, Uk
- Institute Jacques Monod, France
- Universiti Teknologi Malaysia
- Universiti Malaysia Pahang
- University Putra Malaysia
- Bruker Malaysia
- Dr Ho Wai Kuan- Crops For Future

PUBLICATION

Scopus ID : 53329193700
Researchgate : Oon_Jew_Lee
Google Scholar : Oon Jew Lee

- Scopus ID : 55646725000
- Researchgate : Nyuk_Ling_Ma
- Google Scholar : Nyuk Ling Ma

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EDUCATION

BSc., MSc. (UKM)
PhD. (Adelaide)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Her interest falls in the area of synthesis, characterization and crystal structure of coordination polymers. Coordination polymers are inorganic compounds that are arranged infinitely, linked by metal-ligand interactions. The interesting part in coordination polymers is the capability of these compounds to accommodate or hydrogen atoms that made these compounds suitable for anion separation or gas separation.

FIELD EXPERTISE SPECIALIZATION

Coordination Chemistry
Inorganic Syntheses
Coordination Polymers and Inorganic Molecular Design

PROFESSIONAL MEMBERSHIP

- Member of Institut Kimia Malaysia (IKM)
- Persatuan Analisis Malaysia (ANALIS)
- Malaysian Crystallographic Association (MyCA)

NETWORKING & RESEARCH COLLABORATION

- University of Adelaide
- Universiti kebangsaan Malaysia
- Universiti Sains Malaysia

PUBLICATION

- Scopus ID : 15759906700
- Researchgate : Maisara Abdul Kadir
- Google Scholar : Maisara Abdul Kadir

MALINNA JUSOH
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EDUCATION

BSc. (Kustem)
MSc. (Oxford)
PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

She is currently working on microalgae triacyclglycerol (TAG) pathway that include manipulation of culture conditions and gene expression studies to increase the production of lipids and oils in microalgae. The knowledge gained from these studies, the regulation of the pathway and exploring the potential of producing high value products.

FIELD EXPERTISE SPECIALIZATION

Cell and Molecular Biology
Gene expression, cloning
Plant Molecular Biology

PROFESSIONAL MEMBERSHIP

- Malaysian Society for Biochemistry and Molecular Biology (MSBMB)

NETWORKING & RESEARCH COLLABORATION

- Cha Thye San
- Institute Marine Biotechnology,
- Universiti Malaysia Terengganu
- Haruko Okamoto
- Department of Plant Sciences
- Oxford

PUBLICATION

- Scopus ID : 56485481400
- Researchgate :
- Google Scholar :

MAZIAH MOHD GHAZALY
Dr.

MAZIDAH MAMAT
Dr.

CONTACT

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EDUCATION

MSc., PhD. (Surrey)

BSc., PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

The current research interest is more on cell pathophysiology especially related to metabolic disorders – induced oxidative stress damage on cells or organs in vivo and in vitro that leads to the development of cardiovascular diseases in the long run. Further alternative therapeutic prevention strategies from natural resources to treat metabolic disorders are the ultimate goal for this research. On the other hand, treating cancers at its molecular level targetting the redox signaling pathways and its cell cycle profile are of interest. The role of inflammation induced – oxidative stress damage by risk factors that may have their effects on cells and ways to attenuate the activation within the molecular signaling pathways that leads to prolong inflammation and cell death/apoptosis and degeneration in cells will be of a great interest in the current research. Clinical trials using natural resources on preventing and treating metabolic disorders as well as cancer patients are in-line for the future studies.

Her research area mainly focused on nanomaterials, especially hybrid nanocomposites as well as modifications, characterizations and controlled release of the hybrid nanocomposites. This hybrid nanocomposite has been extensively studied due to its ability to store beneficial agent in the nanolayered interlamellae and ultimately transports, release its stored beneficial agent to the target area. These open the avenues to a new class of nanomaterials with physical and chemical properties that can be tailor made, easy and relatively cheap.
The main material of the hybrid nanocomposite is the host, the layered double hydroxide (LDH) and the guest anion, usually is a beneficial agent such as plant growth regulator, drugs, etc, which will be inserted in the interlayer of the host. Insertion or intercalation of the guest anion into the interlayer of the host can be done with two common methods which are direct method (co-precipitation) and indirect method (ion-exchange). The guest anion, the prepared host and the hybrid nanocomposite will then be characterized for its physico-chemical properties with various techniques namely PXRD, FTIR, CHNS, ICP-AES, TGA-DTG, ASAP and SEM. Further studies on the release of the beneficial agent in various mediums will be done to get some insight information on the release behaviour.

FIELD EXPERTISE

Metabolic and cardiovascular diseases
Metabolic diseases linked cardiovascular diseases, metabolic-induced vascular oxidative stress and damage, dietary fiber and short chain fatty acids, endothelial/cell biology, cell cycle, angiogenesis

Chemistry
Materials Chemistry

SPECIALIZATION

Cell and molecular biology, cell signaling, inflammation, cell cycle, oxidative stress damage, redox signaling, free radicals, reactive oxygen species (ROS) and metabolic disorders, biochemistry and physiology

Chemical Dynamics

PROFESSIONAL MEMBERSHIP

- British Society for Cardiovascular Research (BSCR), British Pharmacological Society, European Council for Cardiovascular Research
- Institut Kimia Malaysia

NETWORKING & RESEARCH COLLABORATION

University of Surrey, UK
University of Reading, UK

PUBLICATION

- Scopus ID : 57189257384
- Researchgate :
- Google Scholar :

- Scopus ID : 42861971900
- Researchgate :
- Google Scholar : Mazidah Mamat

MD. UWAISULQARNI OSMAN
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BSc., MSc. (UPM)

PhD. (UKM)

Synthesis and characterization of thiosemicarbazone derivative ligands with electron donor-pi-acceptor (D-π-A) molecular arrangements for dyes sensitized solar cell (DSSC) are major areas of interest. The current research also involve with exploration of molecular structure determination, coordination behavior and conformation of the ligand and its metal complexes through a reaction with selected transition metal ions namely, Co(II), Ni(II), Cu(II), Zn(II) and Cd(II). The ligands and its metal complexes will be characterized using various types of scientific instruments such as FTIR, NMR, CHNSO analyzer, UV-Vis and X-Ray crystallography to elucidate their molecular structures. All compounds will be measured for electrical conductivity through Four Point Probe instruments due to their expected to be an active DSSC compounds.

Chemistry
Inorganic Chemistry
Coordination Chemistry

- Prof Bohari M. Yamin (UKM)
- Prof Karen Badri (UPM)
- Dr Mohammad Ibrahim Mohammad Tahir (UPM)
- Dr Thahira Begum (UPM)

- Scopus ID : Osman, Uwaisulqarni M.
- Researchgate : md. uwaisulqarni Osman
- Google Scholar : Uwaisulqarni M. Osman

MOHD AIDIL ADHHA ABDULLAH
Dr.

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BSc. Hons, PhD. (UPM)

His research interests are in synthesis, characterization, and applications of polymer composites. The present research is studying the influence of clay on the properties of polymers. By inserting the nanometric inorganic compounds, the properties of polymers improve and hence this has a lot of applications depending upon the inorganic material present in the polymers. Polymer nanocomposites are gaining importance in new, multi-functional applications such as biomaterials, membrane filtration, automotive, electronics, and food packaging and construction industries.

Polymer Chemistry
Polymer Nanocomposite
Organoclay and nanoparticle

- Institut Kimia Malaysia (A/3626/6535/13)

- Scopus ID : 55630764100
- Researchgate : Mohd Aidil Adhha Abdullah
- Google Scholar : Mohd Aidil Adhha Abdullah

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHD AL AMIN MUHAMAD NOR
Dr.

MOHD FAIZ HASSAN
Dr.

CONTACT

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EDUCATION

BSc. (UPM)	BSc., MSc. (UM)
MSc, PhD. (USM)	PhD. (Wollongong)

RESEARCH CONTRIBUTION & ACHIEVEMENT

He's currently active in studying the effect of surface modification on physicochemical properties of low cost titanium dioxide/clay nanocomposite ceramic membranes. To be used in controlling the release glass fertilizer and ball clay for producing decorative ceramic product.

Mohd Faiz Hassan's research interests are focusing on nano-materials, nanocomposites, conducting polymers, solid polymer electrolytes and electrochemical materials and its applications in storage device systems. He is familiar with a number of research equipments such as Scanning Electron Microscopy (SEM), Transmission Electron Microscopy (TEM), Raman spectroscopy, Cyclic Voltammetry, Electrochemical Impedance Spectroscopy (EIS), X-ray diffraction, and Battery Cycler/Tester. His current research is focusing on preparing of nanocomposite materials as the active materials for energy storage devices.

FIELD	Materials Chemistry/ Materials Science	Physics
EXPERTISE	Advanced Materials	Solid State Ionics; Lithium Ion Battery
SPECIALIZATION	Ceramic and Composite Materials	Composite Materials

PROFESSIONAL MEMBERSHIP

Malaysian Nuclear Society

NETWORKING & RESEARCH COLLABORATION

Prof. Dr. Zainal Arifin Ahmad, USM
Dr. Nur Azam Badarulzaman, UTHM

PUBLICATION

Scopus ID : 23968272000	Scopus ID : 26326850400
Researchgate : mohd al amin muhamad nor	Researchgate : Mohd Faiz Hassan
Google Scholar : mohd al amin muhamad nor	Google Scholar : Mohd Faiz Hassan

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BSc., MSc. (UTM)

PhD. (USM)

His research interests are in the areas of nanomaterials and functional materials (heterogeneous catalysts).

Materials Chemistry
Nanomaterials
Nanocatalysts

- International Association of Advanced Materials
- Institute of Research Engineers and Doctors
- American Society for Research
- Malaysian Nature Society

- Petronas Chemicals Group Berhad
- Sunway Paving Solutions Sdn Bhd
- Jabatan Mineral dan Geosains Malaysia

- Scopus ID : 55881648200
- Researchgate : Mohd Hasmizam Razali
- Google Scholar : Mohd Hasmizam Razali

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BSc. Hons, PhD. (UPM)

As a materials science researcher, I enjoy mixing chemicals and making new innovation interesting low-voltage varistor via solid state and wet chemical methods. I became interested in producing low-voltage varistor ceramic to enhance their electrical performance capability as well as lowering the cost of production compared to high-voltage varistor ceramics. The research focusing on ZnO based material. At the moment, the research regarding to hybrid solar cell with ZnO and TiO_2 nanoparticles utilization under investigation. The application of ZnO and TiO_2 nanoparticles for anti-corrosion coating/paint/paste also interact me a lot to study their properties that can inhibit the corrosion phenomenon.

Materials Science
Materials Science and Nanotechnology
Varistor Ceramic (Semiconductor), Solar Cell and Anti-Corrosion Coating

- Life Member of The Malaysian Solid State Science & Technology Society (MASS).
- Member of Malaysia Nanotechnology Association (MNA).
- Member of Malaysian Optics and Laser Technology Society (MOLTS).

- Universiti Putra Malaysia, Serdang, Malaysia
- National Textile University, Faisalabad (37610), PAKISTAN

- Scopus ID : 36007688200
- Researchgate : Mohd Sabri Mohd Ghazali
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MUHAMAD FAIRUS NOOR HASSIM
Dr.

NABILAH ISMAIL
Dr.

CONTACT

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EDUCATION

BTech., PhD. (UMT)

BTech. (UMT) MSc. (Sweden) PhD. (Meiji)

RESEARCH CONTRIBUTION & ACHIEVEMENT

His current research interest is in understanding population behaviour and their underlying molecular dynamic resulting in the emergence of a new heterogeneous phenotype from a homogenous population. Biological interaction betweens cells or cells / organism with their surounding environmental stimuli have always been fascinating and full of mysteries. Adaptability of organism to environmental stress, development of immune mechanism against pathogen infection, development of pathogen evasion mechanism and cell growth are determined by interaction at molecular level. The dynamic of these interaction can be understand holistically through multidisciplinary approach involving computational modelling, system biology. His interest includes dynamic understanding of the microorganims, plants or animal, invitro or invivo and also co-hort studies.

Dr Nabilah Ismail interest focusing on green chemistry and oxidation catalysis area. Her research focused on developing novel approaches incorporating iron- tetraamido macrocyclic ligand (FeTAML) families for water purification (removing low level of pollutants such as endocrine disruptors, pesticides, herbicides etc). The approach will involve creating a smart catalytic film that will oxidatively destroy organic pollutants as the contaminated water simply runs over its surface. The new process will be highly effective, inexpensive to operate, and will not contaminate the water being purified with any added chemicals. All work involved strong background of inorganic and polymer synthesis and characterization using various instruments including Ocean optic UV-vis spectrophotometer, leica DMR and confocal laser microscopy, thin film applicator and high performance liquid chromatography (HPLC).

FIELD	Biology	Chemistry
EXPERTISE	Computational Biology	Inorganic chemistry
SPECIALIZATION	Biomolecular dynamic and transcriptomic	Green chemistry and Oxidation catalysis

PROFESSIONAL MEMBERSHIP

- MyOHUN
- Society for Mathematical Biology
- NZIC (new zealand institute of chemistry)

NETWORKING & RESEARCH COLLABORATION

- Prof. Peter Ghazal, University of Edinburgh, Scotland
- Dr. Kevin Robertson, University of Edinburgh, Scotland
- Dr. Steven Watterson, University of Ulster, Ireland
- Dr. Zulkifli Zamrod, Malaysia Genome Institute
- Prof L. James Wright (University of Auckland, NZ)
- Dr. Darrell Alex Patterson (University of Bath, UK)

PUBLICATION

- Scopus ID : 54389117400
- Researchgate : Muhamad F B Noor Hassim
- Google Scholar : Muhamad Fairus Noor Hassim
- Scopus ID :
- Researchgate : Nabilah Ismail
- Google Scholar : Nabilah Ismail

NOOR ANIZA HARUN
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Dip. (UiTM) | BSc., MSc. (UM) | PhD. (Newcastle)

Dr Noor Aniza Harun interests in polymer chemistry focusing on nanomaterials research areas. Her research is focused on the development of hydrophilic polymer nanoparticles and inorganic-hydrophilic polymer composite nanoparticles composed of encapsulation quantum dots (QDs) within polymer nanoparticles with potential application as fluorescent marker in medical and material sciences. All work relies strongly on organic and polymer synthesis and characterization using advanced instruments for instance dynamic light scattering (DLS), transmision electron microscopy (TEM) and confocal microspectroscopy. Projects have received support from FRGS (KPT) and UMT.

Chemistry

Polymer Chemistry

Nano-Composite

- Dr David A Fulton (Newcastle University, United Kingdom)
- Dr Benjamin R Horrocks (Newcastle University, United Kingdom)

- Scopus ID : 36602524700
- Researchgate : Noor Aniza Harun
- Google Scholar : Noor Aniza Harun

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BSc. Hons., MSc. (UKM) | PhD. (UM)

Theoretical physics, quantum optics, quantum information science, simulation and computational physics, electromagnetics, radio astronomy, light-matter interaction, quantum manipulation, density functional theory and nanotechnology.

Physics

Theoretical Physics, Quantum Optics, Electromagnetism, Simulation Physics

Theoretical Physics, Quantum Optics, Electromagnetism, Simulation Physics

- AsPEN Malaysia (Asian Physics Education Network)-Committee Member
- Optical Society of America-Member
- Institut Fizik Malaysia-Member

- Universiti Sultan Zainal Abidin
- Universiti Malaya
- Universiti Teknologi MARA
- University Pendidikan Sultan Idris
- ANGKASA
- Hospital Sultan Abd Halim.

- Scopus ID : 55503120300
- Researchgate : https:Nor_Sabri
- Google Scholar : Nor Hazmin Sabri

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NOR OMAIMA HARUN
Dr.

NORA SALINA MD SALIM
Dr.

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EDUCATION

BSc. Hons. (UPM)

MSc., PhD. (Aberdeen

M.Sc., B.Sc. (UPM)

PhD. (McGill)

RESEARCH CONTRIBUTION & ACHIEVEMENT

The aquaculture sector is currently thriving, and has expanded to meet the demand for fish and shellfish as an alternative protein source to meat worldwide. Therefore, a great deal of attention is paid to problems that the industry faces, with fish diseases of paramount importance. A variety of species of bacteria, viruses and parasites are common in the aquatic environment, which can result in serious diseases amongst fish stocks. As a result, ways to improve disease resistance have been the focus of much attention, with the use of vaccines considered a desirable way forward. Fish has been used as a model to study the evolution of vertebrate immunity for some decades, especially work on humoral immune responses where knowledge on antibody production has dominated much of the literature on fish immunology. In contrast, little known about specific cell-mediated immunity in fish, even though it also likely plays an important role in the immune system and disease resistance. Therefore, addition to my personal research interest, the work will be focused on analysing such responses, taking advantage of the recently discovered cytokines of adaptive immune responses in fish, which allow transcriptomic studies in particular to look at the molecules turned on during infection and after vaccination.

Dr. Nora Salina's research has focused on the application of microwaves in the food industry. She began her research with development of microwave-based technique for glucose detection based on the dielectric properties changes of glucose-enzyme reaction. Her focus has shifted to valorize the agricultural products for development of dried food products using microwave hybrid drying. She also has worked on the design and development of dewatering equipment system to enhance the mass transfer process during the dehydration process.

FIELD	Immunology	Physics
EXPERTISE	Disease And Vaccination	Electromagnetic
SPECIALIZATION	Adaptive Immune System	Microwaves

PROFESSIONAL MEMBERSHIP

- Personel Home Office Licence (UK)

NETWORKING & RESEARCH COLLABORATION

- University of Aberdeen, Scotland UK
- University of Stirling, Scotland, UK
- Marine Lab, University of Aberdeen
- Nutrition and Immunobiology Research Group (NUTRIMU)
- CIIMAR - Interdisciplinary Centre of Marine and Environmental Research
- Faculty of Sciences, University of Porto, Rua do Campo Alegre S/N Edifício FC4 4169-007 Porto

PUBLICATION

- Scopus ID : 53263844800
- Researchgate : Omaima Harun
- Google Scholar : Harun, Nor Omaima

- Scopus ID : 57189002296
- Researchgate :
- Google Scholar :

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BSc. MSc., PhD. (UPM)

Her research interest is on plant-pathogen interaction and changes in the plant defense mechanism in control and infested plant.

Plant Physiology
Oxidative Stress in Plant
Antioxidative Defense Mechanism in Plant

Universiti Putra Malaysia, UPM

Scopus ID : 48361644000
Researchgate : Norhayati yusuf
Google Scholar : Yusuf N

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BSc. (UKM) MSc. (UPM) PhD. (Canterbury)

- • Orchid mycorrhiza interaction
- • The cytoskeletal development of specialized secondary cell walls, particularly phi thickenings and velamen layer in orchids.
- • Microtubule organization

Biology
Immunocytochemistry, Microscopy
Plant cell biology

Scopus ID :
Researchgate :
Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NURUL HUDA
ABD KADIR @
ABDUL RAHMAN
Dr.

RAZIFAH
MOHD RAZALI
Dr.

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EDUCATION

BSc. (UM)	BSc., MSc. (UMT)
MSc. (UMT)	PhD. (Otago)
PhD. (London)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

Her current research emphasis on genotoxic and cytotoxic effects of food toxicants such as 3-MCPD, acrylamide and glycidamide on human colon cells, HCT 116. Currently, these food toxicants have been proven to exhibit tumors. However, genotoxic mechanisms of the chemicals are not extensively studied. Interestingly, the 3-MCPD is generated from heat processing of oil, whereas acrylamide and glycidamide are produced when there is an interaction between amino acids and sugars or fats especially acrylic acid and acrolein during heating process. Previous studies have shown that these food toxicants could be found in roasted coffee, french fries, margerine, butter and cooking oils. Thus, an investigation on whether xenobiotic metabolism in humkan cells responsible in inducing gentotoxic effect. I strongly believe that by establishing the understanding of xenobiotic metabolism in human cells after the exposure of the food toxicants may help us to prevent cancer development in future. In addition, my research also focussing on natural product from plant extracts as chemopreventative agents. I have been granted research grants from various sources including industry.

She is currently interested to study the interaction of plant with the environment. The first project is understanding the eco-physiology of development in drought tolerance vegetable (sweet potato, yam etc.) that grown on bris soil. These study are investigating how drought tolerance vegetable are able to grow and develop on bris soil. Specifically we are investigating how changes in environmental variable such as temperature are affecting their ability to grow and develop for better yield. I interested to study their physiological mechanisms. Understanding the physiological and biochemical responses to drought is essential for a holistic perception of plant resistant mechanisms to water-limited conditions and also to design screening technique for drought tolerance that may be employed in crop breading. My main objective is to educate and help coastal communities to increase their income.

FIELD	Cell and Molecular Biology	Biology
EXPERTISE	Toxicology	Plant physiology
SPECIALIZATION	Molecular Toxicology	Eco-physiology

PROFESSIONAL MEMBERSHIP

- British Toxicology Society (BTS)
- Malaysian Society of Plant Physiology

NETWORKING & RESEARCH COLLABORATION

- Prof. Dr. Nigel J. Gooderham (Imperial College Of London (UK)
- Dr Rhiannon David (Astrazeneca, Cambridge (UK)
- Prof. Dr. Johnson Stanlas (UPM)
- Dr Nor Aini Saidin (USM)
- Dr. Farah Fazwa Md, Ariff (FRIM)
- Dr Zaidah Rahmat (UTM)

PUBLICATION

- Scopus ID : 56688487000
- Researchgate : Nurul Huda Abd Kadir
- Google Scholar : Nurul Huda Abd Kadir

- Scopus ID :
- Researchgate : Razifah Mohd Razali
- Google Scholar : Razifah Mohd Razali

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CONTACT

EDUCATION

BBMed.Sc (Hons) (UM)
PhD. (Australian)

BSc. (Hons) (UMT)
MSc. (UKM)
PhD. (Kanazawa)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Her past and current research revolves around understanding the genetic and functional analysis of the proteolytic cleavage at NS1 and NS2A protein junction in Flavivirus. My second research interest is in the discovery of Flavivirus antiviral agent and antibacterial agent from marine and aquatic resources. I also involved in the development of veterinary vaccine from a hybrid of bacterial protein and virus-like particle (VLP) from Murine polyomavirus. My research team is now looking on the potential of mud crab protein as an effective antiviral against Dengue virus. At the same time, we are also been studying the potential use of VLP as a carrier of Outer Membrane Protei of *Pasteurella multocida*, as a potential vaccine against haemorrhagic septicaemia disease.

Her research area is in synthetic organic chemistry and the contribution that they can make to the fields of the natural products. Now, I was focusing on the developing to form C-C bond by using allylation to make biologically important of natural products.

FIELD EXPERTISE SPECIALIZATION

Biomedical Science
Microbiology
Virology

Pure Science
Chemistry
Organic Synthesis

PROFESSIONAL MEMBERSHIP

- Malaysian Society For Microbiology
- Malaysian Society Of Applied Biology

NETWORKING & RESEARCH COLLABORATION

- School of Health Sciences, Universiti Sains Malaysia
- Faculty of Veterinary Medicine, Universiti Malaysia Kelantan
- Faculty of Medicine and Health Sciences, Universiti Sains Islam Malaysia
- Faculty of Dentistry, Universiti Teknologi Mara

PUBLICATION

- Scopus ID : 56845517200
- Researchgate : Siti Nor Khadijah Addis
- Google Scholar : Siti Nor Khadijah Addis

- Scopus ID : M.T. Soraya Shafawati
- Researchgate : soraya shafawati
- Google Scholar :

SUZANA MISBAH
Dr.

SYARA KASSIM
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EDUCATION

BSc., MSc., (Hons) (UM)
PhD. (Glasgow)
BSc., MSc., (Hons) (UKM)
PhD. (Cork)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Her main research is on human and mosquito host factors associated with dengue virus infection. Elucidating innate immune responses in mosquito particularly Aedes sp. And transovarial transmission of dengue virus in Aedes sp. Her research include phylogenetic study of dengue virus in Malaysia focussing on phylogenetic stucture of Aedes albopictus.

Dr. Syara Kassim's research work is in the area of polymer nanomaterials based photonic crystals application. She has been actively working in the design or synthesis polymer (e.g polymethyl methacrylate, polystyrene, co-polymer (styrene + methyl methacrylate) in nanometer size ranging from 200 nm-900 nm. She is also working on the design and development of PMMA@Au core-shell nanoparticles, where the metal embedded onto the PMMA spheres as a potential in surface-enhanced Raman spectroscopy (SERS). Latest sponsors of her research are Fundamental Research Grant Scheme (FRGS) and Research Acculturation Grant Scheme (RAGS).

FIELD	Virology	Chemistry
EXPERTISE	Medical Virology	Polymer/Adv. Materials
SPECIALIZATION	Virus-host interaction	Nanomaterials/Polymer/Photonic Crystals

PROFESSIONAL MEMBERSHIP

- Malaysian Society for Molecular Biology and Biotechnology
- Malaysian Society for Microbiology
- American Society for Virology

NETWORKING & RESEARCH COLLABORATION

- Prof. Sazaly AbuBakar, Universiti Malaya
- Prof. Alain Kohl, University of Glasgow
- Prof. Juergen Haas, University of Edinburgh

PUBLICATION

- Scopus ID : 8549609100
- Researchgate : Suzana Misbah
- Google Scholar : Suzana Misbah

- Scopus ID : 54402981500
- Researchgate : syara kassim
- Google Scholar : syara kassim

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BSc., MSc., PhD. (USM)

Her main research interest is fabrication of biodegradable polymers to promote increased cell-biomaterial interaction for better cell proliferation for biomedical applications. Biodegradable polymers, such as polyhydroxyalkanoate, polylactide and poly(lactide-co-glycolide) which exhibit non-genotoxic and biocompatible properties are widely studied for application in tissue engineering. This polymeric material is produced by bacteria using carbon sources which can be sourced from municipal waste, an industrial algal waste and agro-industry waste. Interestingly, biodegradable polymer producing bacteria are isolated from marine environment and employed for polymer production in shake-flask as well as fermenter. In order to improve the production of biopolymer, efficient fermentation processes is developed. Detailed designing and surface modification of the polymer produced is done by incorporating biological molecules such as collagen peptide, gelatin (from Tilapia fish scales, jellyfish and seaweed) and chitosan from crustaceans. Nanoscale fabrication is carried out by electrospinning method in order to precisely control the fiber thickness and morphology for improved scaffold designs that mimics the functions of native extracellular matrix.

Healthcare Biotechnology
Microbiology
Bacteriology, Microbial polymer, Nano-technology, Animal research

- Malaysian Society of Microbiology

- University of Sacience Malaysia
- Institute of Pharmaceutical and Nutraceutical Malaysia (IPharm)

- Scopus ID : 26027297800
- ResearchGate :
- Google Scholar :

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CoC (ALAM) M F.G. (MARDEP) MSc. (Cardiff)

A Specialist Lecturer in Nautical Science and Maritime Transportation Department within the School of Ocean Engineering at Universiti Malaysia Terengganu, Malaysia. He obtained his Certificate of Competency as a Foreign Going Master Mariner in 1995. In 2003 he obtained his Master of Science in Marine Policy from Cardiff Business School, University of Wales, UK. His significant research contribution for the nation was through Maritime Institute of Malaysia (MIMA) where he served as Head, Centre for Ocean Law and Policy, a government policy research institute for almost a decade before joining the academic fraternity. In 2016 he began his quest for a Ph.D. focusing on safety of navigation in inland waters with interest in societal wellbeing and responsible development of navigation related activities. His primary achievement would be his contribution to maritime education based on experiential knowledge and industrial involvement.

Nautical Science
Navigation
Maritime Law & Policy, Maritime Education, Maritime Safety

- Ikhtisas Kelautan Malaysia (IKMAL)
- National Association of Underwater Instructors (NAUI)

- ALAM, Malaysia
- RANACO, Malaysia
- Asian Kaliber Sdn. Bhd., Malaysia
- MARDE, Malaysia

- Scopus ID : 57193715061
- Researchgate : Noor Apandi Osnin
- Google Scholar : Noor Apandi Osnin

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

MOHD NAIM FADZIL
CMILT CAPT.

MOHD HAFIZI SAID

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EDUCATION

Master Mariner (C1) | ADLM (CILT, UK) | MSc. (UPM)

BSc. (UTM / ALAM) | MSc. (Cardiff)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the nautical science i.e on-board ship management, ship stability, cargo management, the ship safety and security management, ship navigation, port and ships pollution control. This field of research required detail understanding of the art and sciences in this field. I believed the fast development of technologies should be at par with the level of knowledge and competency of managing items mention above. Other research interests that I have explored in the past few years are the utilisation of Pisang island as a Platform to support the current safety and security needs of marine Navigation in the straits of Malacca, the proposal of minimum luminous range for existing lighthouses within straits of Malacca, the distraction factors among Malaysian seafarer, psychological distraction among seafarer on-board ship.

My research interest is focused on the maritime risk assessment and reliability studies. This field of research required detail understanding of human errors and maritime operations. Current research projects are 1) development of vessel traffic controller resilience index, 2) marine pilotage reliability studies, 3) subsea pipe-line risk assessment and maritime safety communication innovations. Other research interests: Actively involved with the innovation and development of training and coaching programmes/ modules for sailing sport in State of Terengganu. This research are in collaboration with Terengganu Sport Council (MSNT) and Terengganu Wind Surfing Association.

FIELD	Maritime Management	Oceanography
EXPERTISE	Nautical Science, Logistic Management, STCW Training, Education Management , ISO Auditor	Maritime Transportation
SPECIALIZATION	Nautical Science, Logistic Management, STCW Training	Maritime Reliability Assessment, Navigation Safety

PROFESSIONAL MEMBERSHIP

- Chartered Member Institute Of Logistic and Transport (CMILT)
- Life Member of Persatuan Falak Syarie Negeri Melaka
- Ikhtisas Kelautan Malaysia (IKMAL)
- Royal Institute of Navigation (UK)
- Associate Fellow of Higher Education Academy (UK)

NETWORKING & RESEARCH COLLABORATION

- JICA - Alumni (Since 2004)
- North Port, Port Kelang (Since 2010)
- Kuantan Port Consortium (Since 2016)
- RANACO (external program advisor for 5 years)
- Ad Hoc audit committee for Jabatan Perkhidmatan Awam Malaysia
- Global Carrier (Shipping Company) & MARA
- EA Technique & Ports Pilot
- Sekolah Tinggi Ilmu Pelayaran (Jakarta), Indonesia
- World Maritime University, Sweden
- Liverpool John Moore University, UK

PUBLICATION

- Scopus ID :
- Researchgate : Capt Mohd Naim Fadzil
- Google Scholar : Mohd Naim Fadzil
- Scopus ID : 55190685800
- Researchgate : Mohd Hafizi Said
- Google Scholar : M.Hafizi, Said

AHMAD NAZIF AZIZ

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BSc., MSc. (UM)

His main research interest is in the field of natural products chemistry, in search for new lead compounds from terrestrial plants. The scope of his work include the isolation and purification of natural compounds, chemical profiling of essential oils and absolute configuration study via circular dichroism technique.

Organic Chemistry
Natural Products Chemistry
Terpenes, Essential oils

- Malysian Natural Products Society

- University of Malaya
- Universiti Teknologi Mara
- Universiti Pendidikan Sultan Idris

- Scopus ID : 56049095000
- Researchgate : Ahmad_Nazif_Aziz2
- Google Scholar : Ahmad Nazif Aziz

NURUL HUDA ABDUL WAHAB

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BSc., MSc. (UKM)

Her research focus on the isolation and structure elucidation of bioactive compounds from plants and marines sources that could potentially become new lead metabolites or active drugs. The tools such bioassay, UV- mass-, or NMR-guided fractionations are routinely used to purify the bioactive constituents from the selected active crude extracts/active fractions. The basic idea is to start really small scale of plants and marines sources, screening process, that will then be used to further direct to isolate new natural products. This is something that I am looking forward to be working on.

Chemistry
Organic Chemistry
Drug Discovery & Natural Products Chemistry

- Malaysian Analytical Sciences Society (ANALIS)

- Griffith Institute for Drug Discovery (previously known as ESKITIS)

- Scopus ID : Wahab, Huda A
- Researchgate : Nurul_Huda_Abdul_Wahab
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

MSc., BSc. (UPM)

MSc., BSc. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

His primary interest lies in the field of advanced materials , in which focused on producing nanomaterials and its application in solar cell and optical materials. Currently working on the producing the zinc silicate (willemite)nanocomposite from the wet chemical and simple thermal treatment method which is environmental-friendly and low in cost and energy usage. The physical and optical properties of materials is study by performing doping of rare earth and transition element. He also work on the synthesizing zinc oxide nanorod to produce organic or hibrid solar cell. The performance of cell are also tested by using several organic dye extracted from plants.

My research interest is focused on organic chemistry in natural product compound and synthesise of organic compound. This field of research required detail understanding of class of secondary metabolites produced by plants or from other organisms and also their potential beneficial use to our life. Conducting this research is cumbersome due to the process of extraction, isolation and identification by modern techniques. Therefore the laboratory method is important to develop the pathway to synthesise the beneficial organic compound and also indirectly can overcome the depletion of resource from nature. These approaches can discover truly beneficial novel compound and I am committed to share the results of the study in the real world. Other research interests where my colleagues have explored in the past few years the eco-green material from plant seeds as potential adsorbent to treat the waste of commercial dye form textile industry.

FIELD Materials Science

EXPERTISE Advanced Materials

SPECIALIZATION Nanomaterials, Solar Cell, Metallurgy

FIELD Chemistry

EXPERTISE Organic Chemistry

SPECIALIZATION Natural Product, Organic synthesis

PROFESSIONAL MEMBERSHIP

- Malaysian Solid State Science and Technology Society (MASS), Life Member

- Malaysia Institute of Chemistry

NETWORKING & RESEARCH COLLABORATION

- Universiti Putra Malaysia

PUBLICATION

- Scopus ID : 36095869100
- Researchgate :
- Google Scholar : Engku Abd Ghapur Engku Ali

- Scopus ID : 57193319083
- ResearcherID : X-5220-2018.
- OrcidID : 0000-0002-0538-8038

AZHAR MOHD SININ

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MSc., BSc. (UKM)

A physicist by training and have been lecturing to undergraduates for 15 years and counting. Graduated with B.Sc. (Hons.) in Physics. Post-graduated with M.Sc. in Physics (Advanced Material). Joined the then Kolej Universiti Sains Dan Teknologi Malaysia (KUSTEM) in 2002 and taught various undergraduate physical science's courses such as Thin Film, Advanced Instrumentation, Physics Laboratory, Physics and Society to name a few. Currently attached to the Department of Fundamental Knowledge and Liberal Education at the Centre of Fundamental and Liberal Education, Universiti Malaysia Terengganu (UMT) and facilitating the elective cum co-curricular course Sustainable Development ever since. Concurrently as one of the Subject Matter Experts (SMEs) for the online course Sustainable Development offered at the UMTMOOC, a massive open online course (MOOC) platform sponsored by OpenLearning. Becoming more generalist intellectually and recently awarded as Professional Entrepreneurial Educator@3EP in embedding entrepreneurial traits and values in teaching and learning. Another turn of interest, venturing into improving teaching and learning experiences via facilitating learning's emotion and motivation as my current research interest, especially in educational action research.

Physics
Advanced Material
Glassy Carbon

- Global Movement of Moderates Foundation

- Scopus ID : 56286991900
- Researchgate :
- Google Scholar :

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MSc., BSc. (UKM)

The main expertise is the application of physics, which involves the characterization of electrical and electronic inorganic and inorganic materials. Research is focused on natural organic materials for example natural organic dyes found in tropical plants. This natural dye is extracted from fruit, stems, flowers, contents and leaves. The dye is determined by electrical and electronic properties to see its potential for solar cell manufacturing. This solar research has been conducted for 10 years in various materials such as metal oxide (Titanium oxide and zinc oxide), Conjugated polymers especially Polythiophene and its derivatives and also small molecular. Achievement is now producing a graduate student of 7 people with 5 MSc's and 2 PhD's. 23 published papers were indexed by scoupus and RM515,000.00 of research provisions were obtained from the ministry. Research networks are actively conducted with Universiti Malaysia Kelantan and Universiti Malaysia Pahang as well as the national University of Malaysia.

Physic
Applied Physic
Molecular Electronic, Organic Solar Cell, Dye-Sensitized Solar Cell, Hybrid Solar cell

- Malaysian Association on Solid State Science and Tecnology
- Malaysian Nuclear Society
- Malaysian Optic and Laser Society
- Nuclear Science Alumni Society

- Universiti Malaysia Kelantan
- Universiti Malaysia Pahang
- Universiti Kebangsaan Malaysia

- Scopus ID : 17433860200
- Researchgate : Hasiah Salleh
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

Directory
of
eXperts

Cluster
of

DATA AND DIGITAL SCIENCES

AZIZ DERAMAN
Professor Ts. Dato' Dr.

MUHAMMAD SUZURI HITAM
Professor Dr.

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EDUCATION

BSc (Hons) (UKM) M.App.Sc. (Glasgow) PhD. (UMIST)

B.Tech (Hons) (USM) PhD. (Leeds)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on software quality issues especially from the end-user perspective. This field of research requires detailed understanding of software processes including software development, software maintenance and in particular software certification. Software quality tends to decline due to the dynamics of the domain. Therefore, issues of software ageing as well as dissatisfaction among software users become more dominant in our search for quality software. After over two decades of effort, we have produced a number of software quality instruments such as test data generator, software certification methods and tools, software quality factors enhancements and software configuration management remodelling. Other research interests are mostly related to software processes focusing on software requirements gathering, resolving ambiguity problems and introducing anti-ageing software processes.

Muhammad Suzuri research interests are in the application of artificial intelligence and image processing. He had completed 25 research projects and obtained more than RM 1 million from 25 research grants as a project leader. He had published more than 100 papers in refereed journals, proceedings and product exhibitions, both at the national and international levels. His Scopus *h*-index is 6 with 192 citations. Seven Ph.D students and 21 master students had graduated under his supervision. He had won various research awards at both national and international levels research product competitions. Five of his papers were awarded best and outstanding paper awards at various conferences. His current research interest is on image processing and retrieval. He has been on various national-level committees for research grants assessment as well as involved in the assessment of academic program quality under the Malaysian Qualification Agency. On numerous occasions, he has been appointed as Ph.D and Master's thesis assessor and involved in reviewing many international journal and conference papers. He is currently serving on the editorial board of the Journal of Sustainability Science and Management and Journal of Information and Communication Technology.

FIELD	Computer Scince	Artificial Intelligence and Robotics
EXPERTISE	Software Engineering	Image Processing
SPECIALIZATION	Software Quality, Software Management, Software Certification, ICT Strategic Planning	Image pre-processing, Image retrieval, Image classification

PROFESSIONAL MEMBERSHIP

- Malaysian Board of Technologies

- Malaysian Board of Technologists
- International Association of Engineers (IAENG)
- Malaysian Society of Information Retrieval and Knowledge Management (PECAMP)

NETWORKING & RESEARCH COLLABORATION

- Universiti Kebangsaan Malaysia
- Universiti Utara Malaysia
- Holloway University
- Malaysian Software Testing Board

- Waseda University, Japan
- University of South Britany, France
- Universitas Padjajaran, Indonesia
- Institut Teknologi Bandung, Indonesia
- Telkom University, Indonesia

PUBLICATION

- Scopus ID : 24528128600
- Researchgate : Aziz Deraman
- Google Scholar : Aziz Deraman
- Academia.edu : Aziz Deraman

- Scopus ID : 6507671278
- Researchgate : Muhammad Suzuri Hitam
- Google Scholar : Muhammad Suzuri Hitam

MOHD LAZIM ABDULLAH
Professor Dr.

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BSc. Ed. (UM) | MEd. (USM) | PhD. (UMT)

My research interests are focused on fuzzy set theory of mathematics, decision making and its applications. Measurement of social indicators, measuring index of health related quality of life, environmental evaluation, health sciences decision, industrial management decision are the applications that used the combinations of fuzzy sets theory and its extensions, multi-criteria decision making and statistics approaches. Among my latest achievements was an establishment of hybrid decision making models where extensions of fuzzy sets and aggregation operators are the main components of the model. Thus far, I had successfully led several research projects in the field of fuzzy decision making, fuzzy mathematics and social statistics. My research findings have been published in hundreds of publications. New sets with algebraic properties and its applications to big domain of decision making is the topic that will be explored in the future.

Applied Mathematics
Computational Mathematics
Fuzzy Sets, Fuzzy Inference Decision Making, Social Statistics

- IEEE Computational Intelligence Society
- nternational Society on Multi-criteria Decision Making

- Sichuan University, Chengdu, China
- University of Granada, Granada, Spain
- University of King Abdul Aziz, Jeddah, Saudi Arabia
- Gitam university, Visakhapatnam, India

- Scopus ID : 35228592500
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BSc. (Hons) (UM) | MSc. (USM) | PhD. (UPM)

My research interest is focused on the topology. Topology is the mathematical study of shapes and topological spaces deal with the study of open and closed sets together with their several combinations. It is an area of mathematics concerned with the properties of space that are preserved under continuous deformations including stretching and bending, but not tearing or gluing. Topology also includes such properties as compactness, Lindelöfness, connectedness, etc. Topology has many subfields, i.e., general topology, algebraic topology and differential topology. General topology establishes the foundational aspects of topology and investigates properties of topological spaces and concepts inherent to topological spaces. It includes point set topology, which is the foundational topology used in all other branches (including topics like compactness, Lindelöfness and connectedness). Algebraic topology is tries to measure degrees of connectivity using algebraic constructs such as homology and homotopy groups while differential topology is the field dealing with differentiable functions on differentiable manifolds. Since 1970, topological spaces were generalized into bitopological spaces (a set endowed with two topologies) by many topologists. Several properties in topological spaces were generalized into properties in bitopological spaces such as compactness into pairwise compactness, continuity into pairwise continuity, etc. Other research interests I have explored in the past few years were the dynamical systems - a system in which a function describes the time dependence of a point in a geometrical space. Particularly the research is focus on Hopf bifurcation analysis. Another one is topological dynamics where the research is focus on topological entropy. It measures the complexity or chaoticity of dynamical system. Another area is optimization which is focus on conjugate gradient method. This method is tried to find minimum value of large-scale unconstrained optimization.

Mathematics
Pure Mathematics
Topology, Dynamical System Optimization

- Malaysian Mathematical Science Society
- American Mathematical Society

- Isra University, Amman, Jordan
- Institute for Mathematical Research, Universiti Putra Malaysia
- Mansoura University, Egypt

- Scopus ID : 57195479070
- Researchgate : Zabidin Salleh
- Google Scholar : Zabidin Salleh

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

B. App.Sc, MSc., PhD. (USM)

BSc. (USM) MSc. (UKM) PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

R.U. Gobithaasan has been giving undivided focus on modelling curves and surfaces since 2002. These models can be used for various purposes, ranging from data fitting, automobile design, robot trajectory design, highway/railway design etc. It is a study which involves formulating new mathematical representations either for a given dataset or specific mathematical conditions. His latest works on designing aesthetic curves and surfaces have been receiving paramount citations from all over the world. It is a novel idea derived by representing the mathematical essence of natural shapes which can be used to generate visually pleasing industrial designs. In the functional context, he is also actively investigating the relationship between aesthetic shapes and their hydrodynamic properties; promoting its potential for breakwater and ship hull design. Other research interests include Social Network Analysis to further elucidate the way in which two or more individuals interact to achieve specific goals. It is an upcoming science which may outperform statistical approach. To support his research, he has received research grants amounting to RM853,500 from various agencies either as main or co-researcher. He has published over 70 scientific papers in reputed journals and conferences. Gobithaasan was given the honour to present his ideas and share his research insights as a keynote speaker at IACE 2015 (Malaysia) and in 2012 at HC2012 (Japan). In Jan. 2014, he was invited under the Laboratory Exchange program, where he and his postgraduate students were fully funded to exchange ideas with Shizuoka University and in Jan 2015, he was appointed as a Visiting Scholar. Currently, he is supervising 5 Ph.D and 8 undergraduate students carrying out projects related to either Geometric Modelling or Social Network Analysis related projects.

My area of research is graph theory. I am focusing on chromaticity of graphs and graph labelling. For the problem on chromaticity of graphs, we study the conditions that are necessary and sufficient for two graphs to be chromatically equivalent, that is, to have the same chromatic polynomial. A graph is chromatically unique if no other graphs share its chromatic polynomial. The question of chromatic equivalence and chromatic uniqueness is termed the chromaticity of graphs. Graph labelling is an assignment of integers to the vertices or edges, or both, subject to certain conditions. So far over 200 graph labelling techniques have been studied in literature. We are now interested with some types of labelling namely, edge irregularity strength, 3-total edge product cordial and H-irregularity strength. We determine an exact value of edge irregularity strength of certain graph families. We investigate graphs which admit 3-total edge product cordial labelling and they are called as 3-total edge product cordial graphs. The problem on H-irregularity strength is new and I am interested to study it further. Other research interests that I have explored in the past few years are extremum topological indices in graphs and k-step Hamiltonian graphs.

FIELD	Numerical Analysis	Pure Mathematics
EXPERTISE	Approximation & Interpolation	Graph Theory, Combinatorics
SPECIALIZATION	Geometric Modelling, Computer-Aided Design, Social Network Analysis	Chromaticity in graphs, Graph labeling, Chemical graph theory

PROFESSIONAL MEMBERSHIP

- Society of Industrial & Applied Mathematics (SIAM)
- Internet Society (ISOC)

- The Institute of Combinatorics and Its Applications, Canada
- Institute of Mathematical Research (INSPEM), UPM
- Malaysian Mathematical Sciences Society
- Combinatorial Mathematics Society of Australasia, Australia

NETWORKING & RESEARCH COLLABORATION

- Shizuoka University, Japan.
- University of Tokyo, Japan.
- Universiti Sains Malaysia
- Monash University (PJ Campus).Malaysia

- Jazan University, Jazan, KSA
- Shahrood University of Technology, Shahrood, Iran
- Zhaoqing University, Quangdong, PR China
- Universiti Sains Malaysia, Penang, Malaysia

PUBLICATION

- Scopus ID : 57195983557
- Researchgate : R.U Gobithaasan
- Google Scholar : R.U. Gobithaasan

- Scopus ID : 34969234300
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BSc. (H) (UoK) | MSc. (UKM) | PhD. (USM)

My research interests are focused on fuzzy geometric modelling and fuzzy topological space of both theory and application. The development of fuzzy spline model and its application to uncertainty data. We introduced fuzzy Bezier, fuzzy B-spline, fuzzy NURBS model of both type-I and type-II. Fuzzy intuitionistic spline model and its application to fuzzy complex data set as a new form of fuzzy extensions model. A new paradigm in mathematical modeling is fuzzy linguistic spline model and its application in soft computing, computing with words, robot path and AI system model. This study was produced with the help of several projects. Publications and graduated students have successfully completed. New sets, we will explore the fuzzy spaces using fuzzy spline model in form of 3D curve and surface.

Pure & Applied Mathematics
Theory & Computational Mathematics
Fuzzy Geometric Modelling, Fuzzy Topology and Application

- Malaysia Mathematical Society

- Price Songkla University, PSU Thailand
- Universiti Teklogi Malaysia, UTM Skudai
- Universiti Kebangsaan Malaysia, UKM Bangi

- Scopus ID : 7005452643
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BSc., MSc. (UKM) | PhD. (UTM)

My research interest and focus are in the time series forecasting, specifically Box Jenkins and multi-layer feed-forward neural network models. Basically time series forecasting deal with time series data. The data can be primary data or secondary data. Analysis of Bok-Jenkins model can be done by using SAS package. However, to analyse the multi-layer feed-forward neural network models, MATLAB and S-plus packages can be employed. Other research interest that I also explore is robust regression. Robust regression deal with data, which can be categorized as independent variables and dependent variable. Robust regression methods allow one to filter out the outliers when developing a model. Practically, all regression analysis relies on the method of least squares for estimating of the parameters in the model. The presence of an outlier or outliers in the data often encountered. Even one outlier observation can destroy least squares estimation, resulting in parameter estimates that do not provide useful information for the majority of the data. Robust regression analysis has been developed as an improvement to least squares estimation in the presence of outliers. MATLAB and R packages can be employed to analyse the robust regression model.

Mathematics
Time Series Forecasting
MLFF Neural Network, Box-Jenkins Models, Robust Regression

- Life member, Malaysian Mathematical Society (PMM), PSM063007.

- Universiti Teknologi Malaysia
- Sebha University, Sebha, Libya

- Scopus ID : 36806459700
- Researchgate :
- Google Scholar :

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

BSc., MSc. (UGM)

PhD. (Essex)

BEng., MSc. (Warwick)

PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest area focuses on developing robust iterative methods for high dimensional system of linear equations. Particular methods that have been developed including embedding interpolation and extrapolation model in the Lanczos method (EIEMLA) and restarting method from quality points. These methods, conducted during my doctoral programme, are used to cure the breakdown in the Lanczos method, so that it became a powerful method to solve the high dimensional problems. Some new algorithms have been successfully designed , such as RLLast, RLMin, RLMed, and EIEMLA. Both numerical and theoretical results have also been presented in some published papers. I continued this research by investigating switching strategy and modification of EIEMLA (MEIEMLA). For the switching strategy, I adopted the restarting method in terms of taking quality points for switching. However, the number of iterations used are unlimited. For the modification of EIEMLA, which is called MEIEMLA, the time consuming has been significantly cut as I change the way to interpolate the iterates generated by Lanczos method. In fact, since the research involves million variables, we also designed parallel architecture for it and implemented in on the Cloud Computing.

My research interest revolves around software reuse, a sub field of software engineering that looks into the use or application of current workable software artefacts to future problem domains. Software reuse can occur at all phases of software development process including requirement elicitation, analysis, design, development and testing involving reuse artefacts like requirement specification, design patterns, code and components. Reuse practices are becoming increasingly important in software industry as they help to reduce costs and time to market. Doing research in this area help me to look into the big picture of software development process and how reusing proven abstract solutions could particularly benefit novice developers in reducing their learning curve. With the intention to close the skills gap between the novice and expert designers, this research has led me to explore more techniques for skills acquisition and the associated cognitive loads. This has also brought me into related dimension of research including learning styles, instructional design, mobile learning, software usability and quality. In addition to these, my current research also involves data and text mining.

FIELD

Applied Mathematics

Computer

EXPERTISE

Numerical Analysis

Software Engineering

SPECIALIZATION

Numerical methods, Cloud Computing

Software Reuse, Computer Science Education

PROFESSIONAL MEMBERSHIP

- London Mathematics Society (LSM)

- Malaysian Board of Technologist (MBoT)
- Persatuan Capaian Maklumat dan Pengurusan Pengetahuan (PECAMP)/Society of Information Retrieval and Knowledge Management

NETWORKING & RESEARCH COLLABORATION

- University of Essex , UK
- University of Jenderal Soedirman , Indonesia
- Kohat University of Science and Technology, Pakistan
- Hacettepe University, Ankara Turkiye

- Universiti Kebangsaan Malaysia
- Universiti Malaysia Kelantan
- UnisZa

PUBLICATION

- Scopus ID : 56737087400
- Researchgate : Maharani Maharani
- Google Scholar : Maharani

- Scopus ID : 24478252600
- Researchgate : Masita Abdul Jalil
- Google Scholar : Masita Jalil

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BSc. (UPM) | MSc. (KUSTEM) | PhD. (UTHM)

My research interest is on the soft set theory. It is a new mathematical model to manage uncertainty in data which proposed by Molodtsov. According to him, the main advantage of soft set theory is free from the inadequacy of the parameterization tools, unlike in the previous theories such as the theory of probability. The soft set theory uses parameterization sets as its main solutions for problem solving, which makes it very convenient and easy to apply in practice. Currently, the study in soft set theory still in progress. As for standard soft set, it may be redefined as the classification of objects in two distinct classes (yes/1 and no/0), thus confirming that soft set can deal with a Boolean-valued information system. For those who working with multi-valued information system, the concepts of multi-soft sets is also introduced. Since a direct proof that every rough-set is a soft-set, an equivalence classes in information system can be modelled using a soft-set. This will further extends the research space of soft-set theory. There are various field that facing data uncertainty and requiring mathematical model to help them in decision making such as in analytical sciences, financial and supply chain. Hence, to become an expert in this field, one must have a preliminary knowledge of set theory and understand the definition of soft-set theory as well as rough-set theory. They also need to understand every properties that exists in those sets and can manipulate any operations on those sets. Although it sounds quite difficult, everything can be achieved by reading the available journals.

Computer Science

Computer Networking, Data Mining

High Performance System, Data Clustering, Soft Computing

- Graduates Technologies (MBOT)

- Scopus ID : 55899244600
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BSc. (UTM) | MSc. (UPM) | PhD. (Queensland)

My research interest is focused on the Human Computer Interaction (HCI) specialized in interaction design, web interface design, and affective computing. An affective computing involves computer science and psychology domains since affective is a study about human emotions. The research that I've entailed is emphasized on the human emotions (affective) while they are interacting with the computer interface, particularly web interfaces. To date, this research involves in the education domain, particularly for higher institutional. Besides that, this research also contributed to the human emotions measurements. Human emotions are subjective feeling and it is difficult to determine human emotions. Thus, it is very interesting to explore human emotions measurements objectively. Up to now, my research focused on behavioral emotion measurement which is using keyboard actions in order to recognize emotions. Although, there have been a large number of researches in emotion measurement, but this area of study still has a lot of space to explore since the technology is always growing. The other research interests are computer forensic and data mining. In computer forensics, the research that I've participated was predicting the time of death for the dead body. The challenge of this research is in obtaining the forensic data. Whilst in data mining, I've been involved in data clustering to detect outlier data. Taken together, I have published research papers on HCI, computer forensic and data mining in various international and local refereed journals. This is including Scopus and non-indexed journals. I have also attended and presented at international and local conferences.

Computer Science

Human Computer Interaction, Computer Forensic, Data Mining

Interaction Design, Web Interface Design, Affective Computing

- Malaysian Software Engineering Interest Group (MySEIG)
- Malaysian Board of Technologist (MBOT)

- Royal Malaysia Police
- Hospital Kuala Lumpur

- Scopus ID : 8977769800
- Researchgate : Zuriana Abu Bakar
- Google Scholar : Zuriana Abu Bakar

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

Dip.Sc (UiTM) BSc. (UKM) MSc.(UPM) PhD. (UTM)

BSc., PhD.(UTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

One of the contributions of Component Based Software Development (CBSD) is the reuse of software components across multiple systems by software developers. However, the developers often face a difficulty to determine the reusability of the components during the component selection process. Similarly, the component developers also have a problem to measure the component reusability during component development. Nowadays, even though many studies have been conducted in this field, in which the researchers have suggested many approaches with various metrics but they still lack in empirical confirmation and evidences. Therefore, the aim of this study is to investigate and develop the component reusability evaluation approach to support CBSD. The proposed approach, which is called Component Reusability Evaluation Approach (CREA), is supported by the developed automated tool (CREATool) that may automate the reusability evaluation. CREA is then evaluated by applying it to the selected Java components using the developed CREATool. The results from the application of CREA approach is further validated with the controlled experiment using statistical analysis. Based on the consistency of the results from both experiments, it is indicated that CREA able to provide an acceptable reusability measure. It shows that the proposed approach could be used as an alternative approach in component reusability evaluation. Although the developed approach is not intended to make a holistic and an ultimate decision whether the components can be reused or not, but it is useful enough to be considered as a guide for both component users and developers in making decisions related to reusable components.

My research interest is focused on reliable data transmission over Wireless Sensor Network (WSN). Reliable data transmission is one of the most important requirements in WSN especially for multimedia application. Moreover, multimedia application requires high bandwidth and consumes large memory size in order to send video data that requires small end-to-end (ETE) delay. To overcome this problem, rate control serves as an important technique to control the bit rate of encoded video for transmission over IEEE 802.15.4 standard with the characteristics of limited bandwidth, low data rate (250kbps) and small Maximum Transmission Unit (MTU) size of 127 bytes. Another challenging task to maintain reliable data transmission is the design of an enhanced transport protocol. Standard transport protocols cannot be directly applied in WSN specifically, but some modifications are required. The enhanced protocol will provides better reliability performance in terms of the delivery ratio, improves the energy efficiency and quality of data such as video quality and provide small end-to-end delay. Since sensor network is a key component in Internet of Things (IoT), I also explored the integration between IoT and Cloud Computing in order to provides reliable, customized and Quality of Services (QoS) guaranteed dynamic computing to the end-users.

FIELD
Computer Science

Networking

EXPERTISE
Software Engineering, Information System

Wireless Sensor Network, Network Communication Protocol, Internet of Things (IoT), Cloud Computing

SPECIALIZATION
Software Component Reuse

Transport Protocol, Internet of Things (IoT), Cloud Computing

PROFESSIONAL MEMBERSHIP
- Malaysia Board of Technologist

- Board of Engineers Malaysia
- Malaysia Board of Technologists (MBOT)

NETWORKING & RESEARCH COLLABORATION
- Universiti Teknologi Malaysia (UTM), Malaysia
- Universiti Malaysia Pahang (UMP), Malaysia

PUBLICATION
- Scopus ID : 57189633553
- Researchgate :
- Google Scholar : Suryani Ismail

- Scopus ID : 36198998100, 57200576967
- Researchgate : Farizah
- Google Scholar :

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BSc. & MSc. (UMT)

PhD.(UiO)

My research interest are mathematical finance, finance and insurance. In mathematical finance, my study span a broad range of topics in continuous and discrete times. Due to some stylized facts of the price of financial assets, I am working to model the price's movement using stochastic models together with stochastic volatility. In addition, the random phenomenon of the weather variables for example rain and temperature are also modelled using stationary processes. I also focus on the pricing derivatives such as forward, futures and options. The pricing normally use the spot-forward relationship as an indirect way of pricing. The development of insurance is much connected to the finance. The fund collected from the premium payment normally used for investment purpose. The investment is risky and full of uncertainty. I develop model for insurance (including weather-index insurance) based on the historical payoff. My study includes analysis of the profit and loss from any insurance contract and premium payment. From the finance perspective, the investment must maximize the profit and minimize risk. By maximizing the profit will adjust the risk to the higher level. For this reason, my study tries to find an optimal portfolio such that the profit and risk are considerable.

Mathematics

Financial Mathematics, Fuzzy Set Theory

Modelling the financial markets, Derivatives pricing Risk management, Decision Making

- European Mathematical Society
- Malaysian Mathematical Society
- Social Science & Business Research Network

- University of Oslo, Norway
- Universiti Putra Malaysia, Malaysia

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- Google Scholar : Che Mohd Imran Che Taib

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BSc, MSc. (UUM)

PhD.(ULB)

My research interest is on approximation methods for solving combinatorial optimization problems. Specifically, I study stochastic local search algorithms, or known as metaheuristics, a group of methods that can solve combinatorial optimization problems effectively. In a combinatorial problem, the aim is to identify the best combination of a set of finite items to achieve a certain property. Among problems that can be categorized as combinatorial problems are facility-location problem, protein-ligand docking problem, traveling salesman problem, and many others. To identify the optimum combination of items in a combinatorial problem requires tremendous computational effort since many are NP-hard. This is where metaheuristics play its role by solving combinatorial problems efficiently in acceptable time frame. Metaheuristics work by identifying the combination of a set of finite items intelligently at random to avoid the need of an exhaustive search. Metaheuristics cannot prove the optimality of the solutions obtained, yet the results are often of very high quality. Among metaheuristics that I have been studying are Ant Colony Optimization, Genetic Algorithms, Iterated Local Search, Simulated Annealing, and Tabu Search for tackling the Quadratic Assignment Problems. Other research interest that I am currently pursuing is solving school and university timetabling problems using metaheuristics.

Combinatorial Optimization

Metaheuristics

Ant Colony Optimization, Genetic Algorithms, Iterated Local Search, Simulated Annealing Tabu Search, Quadratic Assignment Problem

- Malaysia Board of Technologist
- Persatuan Sains Matematik Malaysia

- Université Libre de Bruxelles
- Università di Bologna
- Universiti Utara Malaysia
- Universiti Teknologi MARA

- Scopus ID : 35194056600
- Researchgate : Mohamed Saifullah Hussin
- Google Scholar : Mohamed Saifullah Hussin

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

B.Sc., M.Sc.(UMT) — D.Sc. (Tohoku)

BSc. (UTM — PhD. (UWA)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Logic is a subfield of mathematics exploring the applications of formal logic to mathematics. It bears close connections to meta-mathematics, the foundations of mathematics, and theoretical computer science. Mathematical logic is often divided into the fields of set theory, model theory, recursion theory, and proof theory. Set theory is a major area of research in mathematics, with many interrelated subfields, i.e., determinacy, fuzzy set theory, etc. Determinacy refers to the fact that, under appropriate assumptions, certain two-player games of perfect information are determined from the start in the sense that one player must have a winning strategy. The existence of these strategies has important consequences in descriptive set theory, as the assumption that a broader class of games is determined often implies that a broader class of sets will have a topological property. In set theory as Cantor defined and Zermelo and Fraenkel axiomatized, an object is either a member of a set or not. In fuzzy set theory this condition was relaxed by Lotfi A. Zadeh so an object has a degree of membership in a set, a number between 0 and 1. I am working on all these fields and they share many ideas and techniques, and recently they have been developed together for mutual harmony.

My research interests are on applied mathematics, particularly mathematical modelling and dynamical systems. The universe can be described by a set of quantities (the state variables) and a set of equations (the dynamics) that describe how the quantities vary over time. A system is a specific, or isolated, aspect of reality. A model means a mathematical approximation or computer-based representation of the system. Mathematical models and computer simulations are useful means for analysing the behaviour of a physical system, estimating important parameters and determining sensitivities to changes in parameter values. The models are beneficial in understanding the behaviour of the system under study and the identification of dominant parameters in the system, which can then be used to control the outcome. The mathematical models can also be employed to forecast the future (such as weather) or to anticipate the results of experiments that cannot be carried out physically (too costly, irreproducible, dangerous, impractical, unethical and so on). Models in biology and physics often observe how the quantities - such as population size – changes with respect to time. From the mathematical perspective, changes in quantities or variables can be accurately described using ordinary or partial differential equations. The process of turning observations or measurements into a model state that is useful for some purpose such as forecasting, is often called as data assimilation or state estimation. In my research, my focus is on deterministic dynamics, that is, the dynamics do not involve any random elements and only observations are influenced by random effect.

FIELD
Mathematics

EXPERTISE
Pure Mathematics

SPECIALIZATION
Logic of Games, Graph Theory, Fuzzy Set Theory, Modern Algebra

FIELD
Mathematics

EXPERTISE
Applied Mathematics

SPECIALIZATION
Mathematical Modelling Dynamical Systems

PROFESSIONAL MEMBERSHIP

- Malaysian Mathematical Sciences Society (PERSAMA)
- Malaysian Muslim Scientists Association (PERINTIS)
- Malaysian Academy of Islamic Sciences (ASASI)

NETWORKING & RESEARCH COLLABORATION

- Tohoku University, Sendai Japan
- Chiba University, Japan
- Universiti Putra Malaysia, Malaysia
- University of Western Australia
- Arizona State University, United States

PUBLICATION

- Scopus ID : 56590031900
- Researchgate : Ahmad Termimi Ab Ghani
- Google Scholar : Ahmad Termimi Ab Ghani
- Scopus ID : 57189239222
- Researchgate : Auni Aslah Mat Daud

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BSc. MSc. (UMT)

PhD. (UB)

My research interests are concerned with decision analysis under uncertainty and soft aggregation processes – broadly falling into the area of computational mathematics. My major foci are: i) fuzzy set theory and higher order fuzzy sets such as intuitionistic fuzzy set, type-2 fuzzy set, hesitant fuzzy set, neutrosophic set, bipolar fuzzy set, conflicting bifuzzy set and imprecise probability theory such as Dempster-Shafer theory of evidence; ii) decision analysis models under multidimensional aspect such as additive and multiplicative preference relation models, outranking relation models, cardinal-based decision models; iii) aggregation operators for information fusion involving dependency and independency among data or arguments. The classical arithmetic means and ordered weighted average are among the independency type of aggregation operators. This also holds for the weighted and the generalized versions of these operators. Moreover, dependency type of aggregation operators is based on fuzzy measures such as the Choquet integral and Sugeno integral. The integration of the above-mentioned techniques can produce more sophisticated decision-making models that deal with complex decision analysis of real-world problems. Current research interest is on the inclusion of human perception in decision analysis, including the consideration of human behaviour or preference between two extreme cases; pessimistic to optimistic points of view. My current contribution is on the integration of soft aggregation processes based on the majority concept for the multi-expert decision making models. Ordered weighted average and its variants as well as the concept of fuzzy set theory play their role in expanding and generalizing the classical models. Recently, the developed models have been applied and tested in the financial analysis domain.

Mathematics

Computational Mathematics

Fuzzy Mathematics, Decision Sciences & Optimization, Aggregation Operators, Applied Financial Economics

- IEEE Society
- European Society for Fuzzy Logic and Technology
- Persatuan Sains Matematik Malaysia (PERSAMA)

- Universiti Sains Malaysia (USM)
- Universiti Utara Malaysia (UUM)
- University of Barcelona, Spain
- University of Chile, Chile
- University of Bristol, UK

- Scopus ID : 36629667700
- Researchgate : Binyamin Yusoff

CHONG **NYUK SIAN**
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BSc. (Hons), MSc. (USM)

PhD. (uOttawa)

My research interests are focused on mathematical modelling of infectious diseases, effects of interventions on disease outbreaks and modelling control strategies for emerging infectious diseases. The disease transmission is investigated by introducing compartmental/deterministic models and models with piecewise control strategy that take into account of a threshold policy (Filippov models). A threshold policy — which is also known as the on-off policy — is employed in the study of suppression and control of infectious diseases. These mathematical models are governed by nonlinear ordinary differential equations with discontinuous right-hand sides. The number of infected individuals is commonly used as a reference index to determine whether or not a control strategy is necessary to control the outbreak. The application of control methods is essential if the number of infected individuals is greater than the threshold level. Otherwise, no control strategy is needed as we consider the disease is tolerable and manageable. All possible dynamics and biological outcomes of these models are analysed whenever the threshold levels are varied and numerical simulations are performed to illustrate the spreading dynamics of the disease. Hence a well-defined threshold policy is crucial especially to the public health as it provides valuable information so that we can combat the disease efficiently. In addition, sensitivity analysis is performed by using Latin Hypercube Sampling to identify which parameters have great effect in disease transmission. Besides that, my other research interest is examining the stochastic effects in the extinction and persistence of infectious diseases. We are interested to find conditions where the persistence or elimination of the disease is guaranteed.

Applied Mathematics

Mathematics Biology

Modelling of Infectious Diseases, Ordinary Differential Equations (ODE), ODE with Discontinuous Right-hand Sides

- American Mathematical Society

- University of Ottawa, Canada
- Zhengzhou University of Aeronautics, China

- Scopus ID : 56072019900
- Google Scholar : Nyuk Sian Chong

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

FATIMAH NOOR HARUN
Dr.

LOY KAK CHOON
Dr.

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EDUCATION

BSc., MSc. (USM)	PhD. (Wollongong)	BSc.(KUSTEM)	MSc. (USM)	PhD. (Ottawa)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the modelling of ocean and coastal water waves (reflection, diffraction and refraction) by studying the linear and nonlinear waves generated behind floating and submerged objects and their interactions. The reflection, diffraction and refraction of waves can give us better understanding on ocean wave's behaviour. When the wave interacts with some objects, the wave will reflect, diffract, refract and break. Thus, it is interesting to study the wave impacts to the object and its applications. Moreover, it is vital to understand the significance of wave impact for the design of structures in the oceans. Furthermore, I'm also interested in modelling wave field around an oscillating wave column (OWC) device, which is an interesting area in renewable energy. This field of research requires detailed understanding of boundary and initial value problems and both analytical and numerical mathematical methods that are used to solve applied mathematics problems, especially in ocean waves and its physical properties.

My special research interest includes mixed finite element methods (FEM) for Partial Differential Equations (PDEs) particularly the advection-diffusion and Navier-Stokes equations; time-integration methods, numerical optimization and linear solvers (both iterative and direct methods). More recently, my work has been focusing on both development and the implementation of high-order semi-implicit methods to solve two- and three-dimensional flows involving high Reynolds numbers. Engaging research in computational fluid dynamics is very challenging due to the many difficulties that exist within the numerical methods themselves - as long as the nonlinearity, nonstationary, incompressibility and large flow problem are concerned. More so, the efficiency of a well-established numerical method is very much problem-dependent and rarely documented in the literature. All these scientific gaps have motivated my current research directions. So far, the contributions of my work include a rigorous numerical assessment of several high-order time-stepping methods for incompressible flows. Also, these high-order methods have successfully reproduced many observed flow patterns which include special parameters, bifurcations and number of vortices occurring in a few celebrated test cases (e.g. flow around the cylinder and lid-driven cavity). In the past few years, I have completed several scientific projects which include numerical modelling of storm surge, wind-driven circulation, the propagation of the tsunami and run-up within the coastal areas in the South China Sea. During this project, I had successfully developed in-house numerical models to simulate a number of storm and tsunami events.

FIELD	Mathematics	Applied Mathematics
EXPERTISE	Applied Mathematics	Numerical Analysis, Differential Equations, Mathematical Modelling
SPECIALIZATION	Water waves modelling, Boundary and initial value problems	Higher-Order Methods, Computational Fluid Dynamics, Incompressible Flows
PROFESSIONAL MEMBERSHIP	• Persatuan Sains Matematik Malaysia (PERSAMA)	• American Mathematical Society (AMS)
NETWORKING & RESEARCH COLLABORATION	• Universiti Sains Malaysia • University of Wollongong, Australia • Telkom University, Indonesia.	• University of Ottawa, Ottawa , Canada • Universiti Kebangsaan Malaysia, Malaysia
PUBLICATION	• Scopus ID : 55232036500 • Researchgate : Fatimah Noor Harun • Google Scholar : Fatimah Noor Harun	• Scopus ID : 57193518635 • Researchgate : Kak Choon Loy • Google Scholar : KC Loy

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BSc. (Hons), MSc. (USM) | PhD. (UMT)

My research interest is focused on the application of graph theory especially in topological indices of graphs. This field of research requires detailed understanding about the characterization of degree-based indices for certain graphs. Molecular structure descriptor plays a significant role in mathematical chemistry, especially in the QSPR/QSAR investigation. One of them is called topological descriptors or topological indices. A topological index is a numeric quantity associated with a graph which characterizes the topology of the graph and is invariant under graph automorphism. There are some major classes of topological indices such as distance-based topological indices, degree-based topological indices and counting-related polynomials and indices of graphs. Among these classes, degree-based topological indices are of great importance and play a vital role in chemical graph theory and particularly in chemistry. The purpose of this research is to characterize the degree-based topological indices for certain graphs and nanostructures. By conducting this research we can investigate the effects on the topological indices of a graph when some edges were added and deleted. We then can compare these with the general topological indices. I am also studying the degree-based topological indices of five types of nanostructures and networks. As a result, many new and structural formulas of degree-based topological indices for these graphs were obtained.

Pure Mathematics

Graph Theory, Mathematics Modelling

Application of Graph Theory,
Modelling of Trail Network in Ants

- Public Service Counselling Associates (AKRAB)

- University Science Malaysia
- Iran University of Science and Technology (IUST)
- National University of Sciences and Technology
- Tikrit University

- Scopus ID : 56925110800
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- Google Scholar : Mohamad Nazri Husin

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BSc. (KUSTEM) | MSc. (UKM) | PhD. (Curtin)

My research interest is on Operational Research, the science of applying advance analytics techniques to solve real problems that involve large datasets. It requires one to be aware of all available options and making thorough analysis before laying out any decisions. In making decisions, one has to ensure that all the available resources and opportunities are fully utilised to optimise certain objectives. This field excites me due to the realisation of its usefulness in assisting the decision making process to tackle real-world problems. Within this field, I focus my research on scheduling, the construction of effective mathematical models to develop high-quality and effective timetable that covers all aspects including user's satisfaction. The early work on scheduling was initiated during my Master's degree and the interest bloomed since then. After almost a decade, we had designed a general mathematical model for university examination and course timetabling. The team is continuously working to improve the model and currently we are aiming to make it applicable for various institutions. Aside from scheduling, I am also looking into the practical value of Operational Research in finding optimal solutions for various areas of research such as aquaculture, agriculture, maritime and others. My current work also revolves around blending Operational Research with practical aspects of problems such as optimising feed formulation of marine species and producing a better composition of fertilizer for enhanced crop growth. Collaborations from other fields are very much welcome to widen the application of Operational Research.

Mathematics

Operational Research, Optimisation

Scheduling, Decision Making

- Management Science/Operations Research Society of Malaysia (MSORSM)

- Universiti Kebangsaan Malaysia
- Curtin University, Australia
- Jasa Merin, Malaysia

- Scopus ID : 55583162600
- Researchgate : Aizam, NAH
- Google Scholar : Nah Aizam

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc., MSc. (UTM)	PhD. (Curtin)
BSc. (UMT)	MSc., PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on spectral radius or largest eigenvalue of tensors and polynomials. Eigenvalue problems exists in many fields for example in marine energy system, ship structure and aquatic conservation. Many systems that is modelled from the problems can be solved by finding the largest eigenvalue of the system or also known as the spectral radius. In order to find the largest eigenvalue, algorithms are needed. My interest is about the methods. An iterative method for finding the largest eigenvalue of nonnegative irreducible polynomials was proposed. Researches has been done in order to find the optimal condition for the method to work. Along the way, many properties of matrices has been generalized to tensors. This is significance because tensor is much wider class than matrix. The term 'tensor' is basically applied to data in three or more dimensions. It is also referred to as higher-order tensor, or as a multi-dimensional, multi-way or n-way array. Other class of tensors also held my interest and the applications of the method to real problems especially in marine.

My main research interest is focused on the mathematical modelling and analysis of conventional and Islamic finance issues. This field of research requires detailed understanding of both the conventional and Islamic financial ecosystems. This research carries a high degree of complexity, so model validation is crucial. Fortunately, the development of high-throughput experimental methodologies combined with the emergence of new technologies had helped a lot in finding better approaches. These approaches can discover and resolve financial/economic issues, and I am committed to apply the results of the experiment in the real world system. I have also explored statistical analysis in several topics including biostatistics.

FIELD	Mathematics	Mathematics
EXPERTISE	Optimization	Financial Modelling Analysis
SPECIALIZATION	Largest Eigenvalue of Polynomials, Largest Eigenvalue of Tensors	Financial Mathematics, Islamic Finance, Applied Statistics

PROFESSIONAL MEMBERSHIP

- America Mathematical Society
- Persatuan Sains Matematik Malaysia

NETWORKING & RESEARCH COLLABORATION

- Universitaet Duisburg-Essen, Germany
- Universitas Padjadjaran, Indonesia
- University of New Orleans, USA
- National University of Malaysia, Malaysia
- University Putra Malaysia, Malaysia
- University Malaya, Malaysia
- University Sains Malaysia, Malaysia
- University Teknologi MARA, Malaysia

PUBLICATION

Scopus ID : 36903633100	Scopus ID : 36794873100
Researchgate : Nur Fadhilah Ibrahim	Researchgate : Nurfadhlina Abdul Halim
Google Scholar : NUR FADHILAH IBRAHIM	Linkedin : Nurfadhlina Abdul Halim
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BSc., MSc. (UTM)

PhD. (UKM)

My research interests are in information system and knowledge engineering, specializing in decision support system and ontology modelling. This also includes research contributions in the design, development and evaluation of intelligent decision support system for analysing and improving decision-making processes in various domains such as tender management, forensics, crime investigation and education. My recent research works are focused on modelling ontology to support the decision-making process in special education. Other research that I have explored in the past few years are the improvement of risk-based decision support system framework in forensic investigation and pattern visualization framework in crime investigation. I have published research papers on decision support system and ontology in various international and local refereed journals, including ISI, Scopus and non-indexed journals. I have also attended and presented in international and local conferences.

Computer Science

Information System, Knowledge Engineering

Decision Support System, Ontology Modelling

- IEEE
- Certified Professional in Requirement Engineering
- Malaysian Software Engineering Interest Group (MySEIG)
- Asean Fisheries Society

- National University of Malaysia
- Dyslexia Association
- Hospital Kuala Lumpur
- Royal Malaysia Police

- Scopus ID : 24833609600
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- Google Scholar : Rosmayati Mohemad

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BSc. Hons, MSc., PhD. (UKM)

My research interest is on fluid dynamics, specialising in Benard-Marangoni convection, convective heat transfer and focusing on the area of fluids' instability. Several articles have been published in Scopus indexed journals discussing the effects of temperature gradient to the onset of instabilities of non-Newtonian fluids. I have also discussed instabilities, including turbulence and chaos studies. In 2003, I received an award from UMT for high impact journal publication on a new five dimensional system to study the instabilities of double-diffusive fluids.

Fluid Dynamics

Benard- Marangoni convection, Convective Heat Transfer

Instability of fluids

- American Mathematical Society

- Scopus ID : 26027530600
- Researchgate : R.Idris
- Google Scholar : Ruwaidiah Idris

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (KUSTEM) — MSc. (UTM) — PhD. (UWA)

BSc., MSc. (UKM) — PhD. (USM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on mathematical modelling of controlled drug delivery. The mathematical models are customized for various types of drug delivery devices based on their characteristics using partial differential equations. Both analytical and numerical approaches are utilised to solve the developed models. The solution helps in predicting the release behaviour of the considered device, thus reducing the cost in the device development. My research helps in designing controlled drug delivery devices that can improve drug efficacy and patient compliance. This contribution is achieved by using optimisation technique in determining the optimal parameters of the devices. Research collaborations with the Department of Chemical Engineering, Curtin University and Faculty of Pharmacy, Universiti Kebangsaan Malaysia have shown the usefulness of the mathematical model in real applications. These collaborations have also produced a number of high impact publications.

My research interest is focused on the application of statistical methods in various fields. This statistical application analysis requires detailed understanding of the issues being studied and appropriate statistical methods to be applied. Preliminary analysis is done by exploratory data analysis in order to get a general picture of the data, followed by detailed analysis using statistical inferences methods such as hypothesis testing and modelling techniques. Recently, the study of location effect or spatial analysis has became a subject of interest for researchers. For example, in order to understand a crime, location effect is an important factor that can be analyzed using spatial statistics techniques. In this study, location factors will be considered as one of the independent factors in analysis using spatial methods such as Geographically Weighted Regression. Other research interests I have explored recently are the analysis of poverty status using the regression model statistical method and development of deprivation/ poverty index in Malaysia based on socio-economic, demographic and geographic factors using the factor analysis method.

FIELD

Mathematics

Statistics

EXPERTISE

Mathematical Modelling, Numerical Method, Partial Differential Equation

Applied Statistics

SPECIALIZATION

Controlled Drug Delivery

Spatial Analysis, Statistical Modelling, Exploratory Data Analysis, Statistical Inferences

PROFESSIONAL MEMBERSHIP

- The Malaysia Local Chapter of the Controlled Release Society Inc.

- Persatuan Sains Matematik Malaysia (PERSAMA)

NETWORKING & RESEARCH COLLABORATION

- Universiti Kebangsaan Malaysia
- Curtin University, Australia
- University of Western Australia
- Jasa Merin, Malaysia

- Universiti Sains Malaysia (Penang & HUSM)

PUBLICATION

- Scopus ID : 35734548700
- Researchgate : Shalela Mohd Mahali
- Google Scholar : Shalela Mohd-Mahali

- Scopus ID : Syerrina Zakaria
- Researchgate : Syerrina Zakaria
- Google Scholar :

NOR AZLIDA ALENG

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BSc., M.Sc (UKM)

My research interests are in information retrieval, specialized in text mining. My recent research work focuses on Information Retrieval especially in the short text analysis and retrieval. Besides that, I am also involved in the research on ontology development and sentiment analysis. I am actively participated in scientific research funded from internally and government bodies. I have received grants from MOHE under FRGS grant as a project leader and co-researcher. I have published research papers on information retrieval, ontology in various international and local referred journals and proceedings. I have also attended and presented international and local conferences.

Computer Science
Information Retrieval
Text Mining

- Malaysia Board of Technologists
- Society of Information Retrieval Malaysia (PECAMP)

- Universiti Kebangsaan Malaysia
- Universiti Sultan Zainal Abidin
- University of Koblenz Landau, Germany

- Scopus ID : Arifah Che Alhadi
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BSc., M.Sc (UKM)

My area of expertise is biostatistics. Since 2014 my research interest is on methodology in biostatistics, statistical applications and mathematical modelling for medical data and public health research. I have applied my methods to a broad range of applications using a wide array of statistical methods like Robust Regression Method, Neural Network Model and Multivariate Statistical Analysis. Another research interest that I have explored is the outliers in data mining, in which finding outliers from a collection of patterns is a popular problem in the field of data mining. The discovery of outliers is useful in the detection of unpredicted and unidentified data, in areas like fraud detection of credit cards, calling cards, discovering computer intrusion and criminal behaviours. Presently,I have produced more than 20 Scopus indexed journal articles as well as participating in producing academic and research books for the university.

Biostatistics, Mathematical Modelling

- Persatuan Sains Matematik Malaysia (PERSAMA)
- American Mathematical Society

- Universiti Sains Malaysia, Kubang Kerian
- Universiti Sultan Zainal Abidin

- Scopus ID : 37078901700
- Researchgate : Nor Azlida Aleng
- ORCID ID : 0000-0003-1111-3388

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc. (UMT)

MSc. (UUM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the big data analytics in response to Industrial Revolution (IR 4.0). This field of research requires detailed understanding of data mining algorithms especially in bio-inspired meta-heuristic algorithms. The development of better models for big data extraction becomes more crucial. Conducting this research in the field is very challenging due to the various forms of data in the virtual world. Therefore parameters in the extraction models has to be experimented extensively to identify the best process model. These experimental methods provide the keys to a greater understanding of better bio-inspired algorithms. These approaches can discover truly novel bio-inspired algorithm models, and I am committed to apply the results of the experiment in the real world system.

FIELD Artificial Intelligence

EXPERTISE Big Data Analysis

SPECIALIZATION Bio-Inspired Algorithm Optimization

PROFESSIONAL MEMBERSHIP Oracle 10g Database Administrator Associate

NETWORKING & RESEARCH COLLABORATION Universiti Utara Malaysia

PUBLICATION

Scopus ID : Basir, M.A
Google Scholar : Mohammad Aizat Basir

Directory
of
eXperts

Cluster
of

MARITIME AND COMMUNITY SCIENCES

MOHD SHALADDIN MUDA
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SAHARUDDIN ABD HAMID
Professor Dr.

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EDUCATION

BSc. (ISU)	BSc. (UPM)
MBA (USNH)	MSc. (Tokyo)
PhD. (Lancaster)	PhD. (UWCC)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Professor Dr. Mohd Shaladdin Muda has extensive experience of more than 20 years as a researcher. His research field is on operations/ organizational management particularly in the make-to order SME's improvement performances and resources productivity. He has successfully supervised more than 15 postgraduate students including several PhDs in the field of management. He has presented and published more than 100 papers in the field of management at various international and local conferences and journals. He is the author of The SHEN model for MTO SMEs: A performance improvement tool (2003), Developing a new world class model for small and medium sized make-to-order companies (2002), Fairness of performance appraisal and organizational commitment (2013) as well as numerous related articles and publications.

My present research interest is focussing on the marine environmental development and resource management particularly on coastal resource management. Integrated Coastal Zone Management (ICZM) as the wider scope in coastal resource management is the accepted trend now which has been widely practice by most big coastal nations. As opposed to top-down fishery management, Community-Based Fisheries Management (CBFM) is one particular field of my interest which demands the study of cooperation among fisherman and coordination from all related agencies in managing the fish resources. This field of research required detail understanding of fisherman community structures and their awareness to practise sustainable fishing and also their commitments to manage and conserve the resources for their own future benefits. In relation to that, a strong and comprehensive policies in addition to the existing laws and regulations has to be in placed in order to implement this concept of CBFM. Many neighbouring countries such as Japan, Thailand, the Philippines, and some parts in Indonesia have successfully practice CBFM. It needs the government strong will-power to convince the local fishing community to establish this kind of fishery management. Other research interests is to explore the development of ports in practising the green technology in order to address the marine environmental degradation issues.

FIELD	Management	Maritime Studies and Ocean Governance
EXPERTISE	Organizational Management, Operations Management	Maritime Policy and Resource Management
SPECIALIZATION	Make-to-order manufacturing, Leadership Motivation	Fisheries Policy, Coastal Resource Management, Marine Environmental Development
PROFESSIONAL MEMBERSHIP	• Chartered Institute Logistic and Transport	• Fellow Institute of Marine Engineering, Science and Technology (FIMarEST) • Chartered Member Institute of Logistic and Transport (CMILT) • Member of Association of Malaysia's Maritime Professional (MIK)
NETWORKING & RESEARCH COLLABORATION		• MOKPO National Maritime University Korea • Prince Songkla University
PUBLICATION	• Scopus ID : 6507866482 • Google Scholar : Dr Shaladdin Muda	• Scopus ID : • Researchgate : A.H Saharuddin • Google Scholar : A.H Saharuddin

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BSc. (IIUM) | MSc. (Leed U. UK) | PhD. (Edinburgh)

Prof Dr Asyraf Hj Ab Rahman served for this university since 1997 (20 years) as an assistant lecturer, lecturer, Associate Prof and a Professor. Since then, he continued and involved himself actively in teaching, research, and post graduate supervision. He published articles, book chapters and books related to his field of expertise. Currently, he has successfully supervised 5 PhD and 8 Master students in the field of Islamic Philosophy and Civilization. 8 books and more than 60 journal articles have been published to this date. In recognition of his contribution for the university and communities, he was invited to be a committee member, conference scientific committee and a member of the editorial board by national and international institutions, besides his professional contribution as an external examiner for Master and PhD theses at UMT, UM, UKM, USM, UUM, Unisza and IIUM. He was also one of the reviewers (peer review) for *International Journal of Law, Crime and Justice* (Elsevier-Scopus), Pertanika Journal of Social Science and other journals. With his good command of Malay, English and Arabic languages, Prof Asyraf was invited to represent UMT for several international educational exhibitions held in Arab countries to promote programs offered by the university, besides developing some academic linkages related to his field of expertise. In addition to his professional contribution, he has also been involved in community services as a religious instructor/speaker, mosque management committee in the state of Terengganu. Recently, Prof Asyraf has involved and participated in developing the first Al-Quran Studio in Terengganu, offering al-Quran classes for adults and children between the age of eight and 11. The studio uses the latest audio visual technology and enable children to recite the Quran easily through an audio system that could control and guide the students without the presence of a teacher or parents.

Islamic Studies

Islamic Thought and Civilization

History of Islamic Thought, Quranic Studies, Muslim Society in South East Asia (Malaysia, Thailand and Cambodia), Islamic Economic/Muamalat

- Member, General Council of Edinburgh University, UK
- Majlis Dakwah Negara

- Conference Scientific Committee, WASET.
- Majlis Dakwah Negara (MDN)
- Majlis Kebajikan Pelajaran Besut (MKPB)
- YIT, JPN

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- Researchgate :
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Bc. Ed. MSc. (UPM) | Ph.D (Nottingham)

My research interests lie in the areas of Applied Linguistics focusing on education specifically Teaching English as a Second Language (TESL) as well as Educational Technology, Discourse Studies and Media Communication. More recently, my research has focused upon the integration of various social media in enhancing English language teaching and learning. The emergence of social media such as Facebook, instagram, twitter and personal blog in language teaching and learning field has broaden my search and interest to enhance students' communication and writing skills.

Applied Linguistics

TESL

Education, Language and Communication, Discourse Studies

- Malaysian Linguistics Association
- Malaysian Scholarly Publication Council
- Malaysian Educational Technology Association

- The University of Nottingham, United Kingdom
- Universiti Putra Malaysia, Malaysia
- Universiti Sultan Zainal Abidin, Malaysia
- Victoria University, Melbourne

- Scopus ID : 35769248000
- Researchgate : Noraien Mansor
- Google Scholar : Noraien Mansor

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NOOR ROHANA MANSOR
Associate Prof. Dr.

NORHAYATI SHARIFF
Associate Prof. Datin Dr.

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EDUCATION

BA., Dip. Ed., MEd., Ph.D. (UM)	B.A. (Lancaster)	MA. (UTM)	PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My area of specialization is Malay Language Education, specifically in Language Pedagogy which focuses on the aspects of Measurement and Evaluation. My research expertise is on thinking skills especially on the diversity of cognitive level of question and questioning that affect the student's thinking ability. This diversity of thinking is seen in the context of the use of questions and questioning whether in the curriculum materials or in terms of student achievement as well as applications by educators in teaching and learning process especially in addressing questions at higher levels. These contribution has been published in books, monographs, journal articles and sharing of knowledge in conferences. In addition, I also contributes my expertise in the field of Applied Linguistics relating to the issues of Malay language as the language of advanced knowledge; sociolinguistics, language education and issues in Malay Language.

Currently, she is an Associate Professor in the Department of Maritime Management in the University Malaysia Terengganu, Malaysia. She received her PhD in Maritime Studies from University Malaysia Terengganu, Master degree from the University Technology Malaysia and Postgraduate in International Marketing from the University of Strathclyde, UK. She is a chartered member of CMILT (UK), Chartered Marketing (UK) and Association of Marine Industries Malaysia (AMIM). She holds positions of Deputy President of Women in Maritime Association (MyMIMA) under United Nation, committee members of Women in Logistics and Transportation (WiLAT) at the national level and ASEAN International Mobility Students (AIMS) coordinator of School of Maritime Business and Management (UMT). She has 18 years of industrial experience and had worked in government and several private organizations which she has held several top management positions in port and shipping industries including such as Vice President II (Corporate Governance Division) in Foreign Investment Bank Bhd. She was formerly Malaysian representative in International Chamber of Commerce for ASEAN and seconded to UNTAD (United Nation Trade and Development) as Course Developer and Course Lecturer in port performance for developing countries. She joined the University of Malaysia Terengganu in 2007. Her main area of interest is in port and maritime transportation management, logistics and supply chain management, maritime marketing, and strategic management. Her academic works were published in book chapters, conference papers, proceedings and ISI H-Index, Scopus H-Index and refereed journal articles as main author and co-author. To date, she has completed three FRGS research grants at the national level as principal investigator and two ongoing grants.

FIELD	Language Education	Port and Maritime Transportation Management
EXPERTISE	Malay Language Education	Logistics and Distributive
SPECIALIZATION	Applied Linguistic, Malay Language, Language Teaching & Learning, Question & Questioning	Supply Chain Management, Maritime Marketing, Strategic management

PROFESSIONAL MEMBERSHIP

- International Society for Improving Training Quality (isitQ)
- Persatuan Pendidik Bahasa Melayu Malaysia (No. Ahli: C 06-0216)
- Ahli Qualitative Research Association of Malaysia (QRAM), No. Ahli: L145

NETWORKING & RESEARCH COLLABORATION

- Universiti Brunei Darussalam

- MARA University of Technology (UiTM), Penang.
- Taylor's Business School, Taylor's University, Kuala Lumpur.
- Thai Nguyen University, Vietnam.
- Herriot Watt University, United Kingdom.

PUBLICATION

- Scopus ID : 57197973723
- Researchgate : Noor Rohana Mansor
- Google Scholar :

- Scopus ID : D.N. SHARIFF
- Researchgate : D.N. SHARIFF
- Google Scholar : N SHARIFF

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B.A. (Lancaster) | M.Acc. (UiTM) | Ph.D. (Victoria)

My research interest is focused on the usability and adoption aspects of Accounting Information Systems (AIS) and the field of Personal Finance. Most of my research utilize the use of questionnaire surveys because my objectives are to examine the effect of certain system adoption or personal finance strategy on the behaviours of users and individuals. Some of successful research projects include the use of AIS by Small and Medium Enterprises, Internal Controls in AIS, Financial Literacy among working adults, Tax compliance by young working individuals, and microfinance among small women entrepreneurs. These projects were completed by utilizing the emerging analysis techniques of Partial Least Squares (PLS). As such, I am also an expert in data analysis using PLS technique and have written a book on it and frequently invited to conduct PLS workshops in universities.

Accounting & Finance
Accounting Information Systems, Personal Finance
Accounting Information Systems, Personal Finance

- Victoria University, Australia
- COMSATS University, Pakistan
- Montpellier Business School, France
- SmartPLS Translation Team

- Scopus ID : 53263115100
- Researchgate : Azwadi Ali
- Google Scholar : Azwadi Ali

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BAcc. (UiTM) | MAcc. (Glasgow) | PhD. (UM)

My research interest is focused on the financial accounting and reporting in response to corporate failures and breakdowns in truthful accounting that has resulted in a massive loss of investor confidence in financial reporting quality. These financial failures reveal the critical need for firms in both developed and developing countries, including Malaysia, to make improved corporate governance a priority. Thus, my field of research requires detailed understanding of corporate governance, earnings quality, fraudulent financial reporting, and ethical practices by the firms. I am keen to apply the results of my study in the real world to encourage integrity in the capital markets. I have successfully supervised many postgraduate students from Malaysia and abroad; particularly from Middle Eastern countries. The completion of the research projects contributes to dissemination of knowledge in the area of corporate governance and financial reporting quality throughout the developing countries.

Financial Accounting & Reporting
Financial Reporting Quality
Corporate Governance, Earnings Quality, Fraud, Ethics

- Malaysian Institute of Accountants
- Malaysian Finance Association

- Teaching Accountancy Firm UMT SALIHIN
- Hadhramout University
- Ibb University
- UNITAR International University
- Universiti Sains Malaysia

- Scopus ID : 55085453600
- Researchgate : Hafiza Aishah Hashim
- Google Scholar : Hafiza Aishah Hashim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHD HASSAN CHE HAAT
Associate Prof. Dr.

MARHANA MOHAMED ANUAR
Associate Prof. Dr.

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	+(013) 933 1972
	+(609) 668 4237
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EDUCATION

BSc. (Hons) (Cardiff) — MAcct. PhD. (UiTM)

BSBA (NAU) — MBA (Middlesex) — PhD. (USM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the best practices of corporate governance and implementation of good corporate governance. In Malaysia, research on corporate governance has become a trend since the financial crisis which adversely affected Malaysian economy in 1997-98. Since then, the issues of corporate governance have been explored extensively by researchers in conjunction with the corporate governance reforms in Malaysia which took place since 1998 until the Malaysian Code on Corporate Governance 2017 became effective. During my earlier involvement with academic research, I was involved in the development of Malaysian Corporate Governance Score, the first of its kind in Malaysia at that time. The initiative has been taken with the spirit of filling the research gaps and raising the corporate governance standards in Malaysia. Apart from research on the relationship between good corporate governance and firm performance, other research interests I have explored in the past few years were corporate governance reporting, risk management, risk disclosure, internal controls among small and medium enterprises, audit committee effectiveness, IT governance and cyber security and mosque fund management.

Dr Marhana Mohamed Anuar research interest is in the area of marketing with a specific focus on cause-related marketing, green marketing, ethical consumption and Islamic marketing. She has led several grants from the Ministry of Education Malaysia under research grants scheme such as Exploratory Research Grant Scheme and Fundamental Research Grants Scheme as well as grant from World Wildlife Funds (WWF). As at April 2018, she has been involved in more than 20 research grants and has published more than 20 journal articles in Indexed journals. She has presented papers at both national and international conferences and has published more than 60 articles in proceedings.

FIELD

Accounting

Marketing

EXPERTISE

Auditing

Social Marketing

SPECIALIZATION

Statutory Audit, Internal Audit, Corporate Governance, Corporate Disclosure, Business Ethics

Cause-related Marketing, Green Marketing, Ethical Consumption, Islamic Marketing

PROFESSIONAL MEMBERSHIP

- Associate Member, Institute of Internal Auditors Malaysia (IIAM)

- British Academy of Management
- Academy of Marketing Science
- Eurasian Business and Economics Society
- Marketing in Asia Group Scholar

NETWORKING & RESEARCH COLLABORATION

- Accounting Research Institute, Universiti Teknologi MARA
- Universiti Teknologi MARA Melaka
- Universiti Sains Malaysia

- Universiti Sains Malaysia
- Universiti Teknologi MARA
- Multimedia University

PUBLICATION

- Scopus ID : 57200117236
- Researchgate : Mohd Hassan Che Haat
- Google Scholar : Dr Mohd Hassan Che Haat

- Scopus ID : 6508246447
- Researchgate : Marhana Mohamed Anuar
- Google Scholar : Marhana Mohamed Anuar

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Dip., BSc. (UPM) | MSc. (UMT) | Ph. D (Newcastle)

My research interest is focused on the monitoring performance and developing the innovation policy for the maritime clusters, logistics and transport industry. This fields of research required detail understanding of the maritime industry mechanism, the dynamic linkages, specific governance policy and function. Development of the standardised maritime industry index to evaluate and monitor the industry performance is important to strengthen this industry. In addition, the environment factors is an important and resiliency in response to climate changes parameters such as ocean acidification and air pollution towards competitive maritime industry in balance with the economy, people and environment need to be considered in the policy making process. Conducting this research in the dynamic maritime industry environment are cumbersome due to many un-control variable in the surrounding and need a big data utilization. Therefore centralised validation and endorsement the finding of the maritime cluster performance with response to the various climate changes parameters has expanded greatly due to the development of high-throughput experimental methodologies. Thus, the facilities and competence researchers from the Malaysian Maritime Logistics and Transport Centre (MalTraC) can be utilised for this research to provide the keys to a greater understanding of resiliency in response to climate changes parameters and to monitor the maritime cluster performance by developing the novel maritime index. These approaches can discover truly novel policy innovation, and I am committed to apply the results of the experiment in the maritime cluster. Other research interests I have explored in the past few years were the maritime safety and security, seaport management and performance, Shipping management and policy, Economic Exclusive Zone management, Logistics and transport, and development of the standard guideline of the Safety Management System for domestics shipping operation.

Maritime Resources & Management

Maritime Policy, Logistics and Transport.

Seaport Management/Operation, Shipping Management/Operation, Maritime Safety and Security, Logistics and Transport

- Council Members of Chartered Logistics and Transport Malaysia
- Chairman, Chartered Logistics and Transport East Coast Region (Pahang, Terengganu, Kelantan)
- Permanent Technical Committee (TC/88/ISO) SIRIM, Malaysia.
- Editorial Board Members of Ocean & Coastal Management (Elsevier)

- Mokpo Maritime University, Japan
- University of Tasmania, Australia
- Kuantan Port Authority and Kuantan Port Consortium
- Ministry of Transport, Malaysia
- The Chartered Logistics and Transport, Malaysia and United Kingdom

- Scopus ID : 41762212200
- Researchgate : Mohamad Rosni Othman
- Google Scholar : Mohamad Rosni Othman

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Dip. (UiTM) | Msc. (SIU-C) | MSc. (UPM) | PhD. (UMT)

My Research interest are on the Human Resource Management and Organizational Behavior in public and private organizations. The focus is on investigating factors that can affect human resource capabilities such as management practices, organizational culture, leaderships, systems and work processes. In addition, I am also interested to conduct research to investigate and identify potential human resource capabilities among the coastal zone communities. Such studies are important for involving communities in planned development.

Management

Human Resource Management

Perfomance Management and Appraisal, Training and Development

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NOORUL SHAIFUL FITRI ABDUL RAHMAN
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ROSLIZA MAT ZIN
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EDUCATION

BAc (UMT)	BAcct. (UUM)
MSc. (Antwerp)	MA & FM (Essex)
PhD. (LJMU)	Ph.D (Manchester)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on Maritime Studies in response to shipping and port operations, maritime transport and logistics, risk assessment and management, and multiple-choice decision making (MCDM) technique. This field of research required detail understanding of overall maritime business activities including the supply chain system for global and local perspectives. The maritime industry is dynamic, thus I have used quantitative, qualitative and mix-approach methods in most of my research papers and grants. Moreover, I have invited to be an international keynote speaker for the International Conference of Port Economy and Shipping Logistics that was organised by the Ocean China University, Qingdao, China in June 2017. Together with that, I also have invited to be a speaker for the Workshop on Publishing in Indexed Journal, which organised by School of Maritime Business and Management, Universiti Malaysia Terengganu (UMT). Up to April 2018, I have ten postgraduate students in total (4 Master and 6 Ph.D). Two of them have been graduated in 2017, while another eight students are still in active status. At the same times, I active in applying any research grants on the national and international levels. As a result, I successfully obtained six research grants in total. Thus, overall performance, I have published more than 40 refereed journal and conference papers under research interests as per described earlier. Also, I have invited to be both external reviewer and editorial board for a number of refereed ISI and Scopus journals (AJSL, IJSTL, MPM, RTBM, JSSM and JST) as well as conferences.

My research interest is focused in the area of management accounting and particularly, management control systems (MCS), which is the provision of managerial accounting information relating to both strategic and routine decision-making. My PhD thesis covers MCS framework, including formal and informal control mechanisms used in project-based organizations which were meant to monitor transaction costs between related parties involved. I have been fortunate to be able to conduct few contextual case study and has been able to publish few cases both for teaching and research purposes. Since my research interest is on the use of case study methods, I also conduct trainings on case study method and been using case-based discussion for teaching and learning methods. I am also very much interested in conducting research in accounting education, especially in reflecting teaching and learning methods used to develop higher order thinking skills.

FIELD	Maritime Studies	Accounting
EXPERTISE	Maritime Operations and Economy	Management Accounting
SPECIALIZATION	Shipping and Port Operations, Maritime Business and Economy, Maritime Transport and Logistics, Risk Assessment and Management, Multiple-Criteria Decision Making (MCDM) Approach	Management Control, Case Study Research and Teaching Case Study, Accounting Education

PROFESSIONAL MEMBERSHIP

- Chartered Member of The Chartered Institute of Logistics and Transport (CILT)
- Member of The International Association of Maritime Economist (IAME)
- Life Member of The Association of Malaysia's Maritime Professionals (IKMAL)
- Malaysian Institute of Certified Public Accountants (MICPA)

NETWORKING & RESEARCH COLLABORATION

- The Hong Kong Polytechnic University, China
- Liverpool John Moore University, United Kingdom
- ITMMA, University of Antwerp, Belgium
- Universiti Utara Malaysia
- Universiti Utara Malaysia (UUM)
- Malaysia Productivity Corporation (MPC)

PUBLICATION

- Scopus ID : 1123663
- Researchgate : Noorul Shaiful Fitri Abdul Rahman
- Google Scholar : Dr Noorul Shaiful Fitri Abdul Rahman
- Scopus ID :
- Researchgate : Rosliza Mat-Zin
- Google Scholar : Rosliza Mat-Zin

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BBA, M.Sc. (UPM) | M.Ed. (OUM) | Ph.D. (Stirling)

Through my work, I aim to bring a relevant contribution to the advancement of research in the field of marketing. Out of all the various sub-disciplines that form the complicated tapestry of modern day marketing science, I have chosen to specialize in consumer behaviour. Solutions to real-world marketing problems typically require a thorough understanding of consumer behaviour. Thus, my research strives to provide new insights into how consumers select, use and dispose of products and services that satisfy their needs. Most of my current research portfolio focuses on the development and application of quantitative methods to understand consumer behaviour and derive implications for marketing managers. In particular, I like to conduct empirical analyses to discover in-depth knowledge about the various internal and external factors influencing consumers' shopping behaviour, both in their online and offline environments. The major focus of my research has been on consumer socialization, cultural influences on consumer behaviour, service quality, consumer typology, consumer segmentation, and retail patronage behaviour. I have published over 50 journal articles in these areas.

Marketing
Consumer Behaviour
Consumer Psychology

- Institute of Marketing Malaysia
- Malaysian Institute of Management
- The Chartered Institute of Marketing
- Institute of Administrative Management

- Scopus ID : 35111726400
- Researchgate : Safiek Mokhlis
- Google Scholar : Safiek Mokhlis

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BBa. (UPM) | MBa. (USM) | PhD. (UiTM)

Dr. Yusliza Mohd Yusoff is Associate Professor of Organizational Behaviour and Strategic Human Resource Management. She joined the School of Maritime Business and Management, Universiti Malaysia in July 2016. Prior to joining the School of Maritime Business and Management, she was a faculty member at the Graduate School of Business, Universiti Sains Malaysia (USM). She has worked with PhD, DBA, Master's, MBA, and BBA students from USM in the areas of line involvement in human resources, human resource management practices, employee engagement, employee performance, turnover intention, electronic human resource management, green human resource management, work life balance, and adjustment of international student and expatriates. She has successfully completed research grants including USM's Internal Research Grants, a Fundamental Research Grant, two Exploratory Research Grants, a Motorola Research Grant, a Malaysian Prison Department Grant and three Top Down Research Grants from the Ministry of Higher Education. She has also served as an external examiner for the Universiti Teknologi Malaysia and the University of Dhaka, Bangladesh and an internal examiner for USM. Her research interests include green human resource management, electronic human resource management, international students' adjustment, empowerment, human resource roles and competencies, line involvement in human resources, and behavioural and organizational behaviour-related studies.

Human Resource Management & Organizational Behavior
Strategic Human Resource Management
Green HRM, E-HRM, Line Managers Involvement
International HRM, Empowerment

- Malaysian Institute of Management
- Malaysian Institute of Human Resource Management

- Montpellier Business School, Montpellier, France
- Clarion University, Pennsylvania, United States
- Twente University

- Scopus ID : 57191439114
- Researchgate : Mohd-Yusoff Yusliza
- Google Scholar : Associate Professor Dr. Yusliza Mohd Yusoff

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

ZALAILAH SALLEH
Associate Prof. Dr.

MOHD ZULKIFLI MOKHTAR
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EDUCATION

BAcct. (UUM)	Adv. Dip,(UITM)
MSc. (Essex)	MAcc. (Glasgow)
PhD. (Griffith)	PhD. (Cardiff)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on audit quality in response to series of global corporate failures as a result of poor corporate governance. This field of research required detail understanding of contextual factors affecting the audit quality and good corporate governance. The definition of audit quality remains contentious and there is no consensus as to which proxies for audit quality are best suited for any particular research objectives. Moreover, research in this field involves advance discussion of critical issues requiring action and intervention that promote auditors' objectivity, effectiveness, and responsiveness to dynamic market conditions. Therefore, qualitative and quantitative research method are used to provide meaningful explanations and understanding of issues in audit quality research. I believed that the results of my academic research are not only beneficial to classrooms learning and education, but also to the capital market. Other research interests that I have explored in the recent years were issues in corporate governance particularly the role of audit committee in auditor-client relationship and GHG emission and energy reporting among public listed companies in emerging countries.

My research interest is focused on the corporate performance of Malaysian public listed companies. Various factors of company's attributes, namely size, growth. capital structure, age, ISO 900 and industrial category were being analysed in order to identify the best performing public listed companies. Besides public listed companies, my research interest is on Small and Medium Enterprise (SME) performance. SMEs that adopted Computerized Accounting Information System (CAIS) were found to perform better than non-adopted SMEs. Besides CAIS, owner-managers support, organizational readiness and government influence were factors to be considered in SMEs performance. Other research interest that I have explored in the past few years were in Islamic Finance especially on business zakat and tax. The aims of this type of research is to enhance the knowledge on the part of zakat assessment and the management of zakat as compared to the system of taxation in Malaysia. This is to minimise the misunderstandings that exist in paying zakat as an obligation and to enhance the responsibilities of a good citizen in paying taxes.

FIELD	Accounting	Accounting
EXPERTISE	Audit	Accounting
SPECIALIZATION	Audit Quality, Corporate Governance	Corporate Performance, Small and Medium Enterprise (SME) Performance, Islamic Finance Financial Statement Analysis

PROFESSIONAL MEMBERSHIP

- Chartered Accountant, Malaysian Institute of Accountants
- British Accounting Association
- Malaysian Institute Certified Public Accountant (MICPA)

NETWORKING & RESEARCH COLLABORATION

- Teaching Accountancy Firm UMT SALIHIN
- Hadhramout University, Yemen
- Ibb University, Yemen
- Universiti Malaysia Pahang, Malaysia
- Universiti Sultan Zainal Abidin, Malaysia
- Griffith University, Australia
- University of Essex, United Kingdom
- Cardiff University, United Kingdom
- University of Sriwijaya, Indonesia
- Malaysian Institute of Certified Public Accountants (MICPA)
- Association of Chartered Certified Accountants (ACCA)
- Salihin and Co. , Malaysia

PUBLICATION

- Scopus ID : 55452291100
- Researchgate : Zalailah Salleh
- Google Scholar : Zalailah Salleh
- Scopus ID : 57197612209
- Researchgate : Mohd Zulkifli Mokhtar
- Google Scholar : MZ Mokhtar

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BEc. (Hons), MEc. (UM)

PhD. (Leicester)

My research and academic duties focus on Economic disciplines. My fields of interest are environmental and natural resource economics, particularly Energy Economics. Among my current areas of research are energy demand and economic growth, energy and the environment, energy consumer behaviour and low carbon/renewable energy economics. Specifically, my research focussed on integrated modelling of energy-economic-environment, sustainable residential energy consumption, economic valuation on renewable energy consumption, internalization of external cost in traffic congestion and the economic valuation of water consumption and flood fatalities. I published articles related to the above area in international and local refereed-journals. I also involved in reviewing articles for journal publications in Energy Policy, Energy Economics, The Energy Journal, International Journal of Sustainable Energy, Ecological Indicators, International Journal of Economics and Management, Journal of Sustainability Science and Management, Jurnal Ekonomi Malaysia and Pertanika.

Economics

Energy and Resource Economics

Energy demand and economic growth, Energy and the environment, Energy consumer behaviour, Low carbon/renewable energy economics

- International Association for Energy Economics (IAEE)
- East Asian Association of Environmental and Resource Economics (EAARE)
- Persatuan Ekonometrik Malaysia

- Universiti Brunei Darussalam (UBD)

- Scopus ID : 56001383600
- Researchgate : A.A. Azlina
- Google Scholar : A A Azlina

NOREHA HASHIM
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BA., MA. (HONS) (VUW)

PhD. (LSE)

My research interests are in the areas of public administration and management, particularly on issues of ethics, accountability and control, integrity and good governance, monitoring and evaluation of programs, as well as public sector corruption. To contextualize my research interests, I have also examined Malaysia's political governance, societal security, inter-ethnic relations, and the relevant public policies as they have significant influence over the challenges faced by, as well as the direction and nature of, the country's public administration and management. Over the years, I have also been involved in various research and consultancy projects, including the Socioeconomic Impacts of the Construction of the Second Penang Bridge, a Feasibility Study on the Development of Sabah and East Kalimantan Border Areas, a research on Housing and Geopolitical Impacts in Pulau Pinang, as well as a research on Measuring the Level of Inter-ethnic Integration in Pulau Pinang, among others. I have also been invited as a guest speaker and have delivered public lectures in Australia, Germany, Thailand and Malaysia.

Public Administration

Public Management

Public Sector Management, Public Policy, Politics

- Persatuan Sains Sosial Malaysia
- Organization Studies Research Network

- Ubon Ratchathani University, Thailand
- National Institute of Development Administration, Thailand
- Universitas Telekom, Bandung, Indonesia
- Universitas Padjadjaran, Bandung, Indonesia

- Scopus ID : 57200130013
- Researcher ID : E-2917-2012
- Google Scholar : Noreha Haji Hashim

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NUR AZURA SANUSI
Associate Prof. Dr.

RUHANI MAT MIN
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EDUCATION

BEc., PhD. (UKM)

Bed., MSc. (UPM)

PhD. (Leeds)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Nur Azura Sanusi is an Associate Professor at Universiti Malaysia Terengganu. She has served as the Head of Department of Monetary and Fiscal Policy (UUM), Program Head of Master of Management (ICZM), Deputy Dean (Research and Graduate Studies), Director of Industry and Community Engagement Center, Director of Research Network Center of East Coast Economic Region and Director of Center of Knowledge Transfer and Industrial Networks for more than 10 years experiences. In research and knowledge transfer, she actively participated in more than 25 projects and committed as the Project Leader for more than 13 projects amounted more than RM3,000,000. She brings over 15 years of experience from research, teaching, education management, community product development, project management, consultancy and community engagement that focus on the social innovation.

My research interest is focused on the developmental of counsellor trainees, as well as their journey on becoming counsellors. In addition, my interest also dedicated on developmental of human being, in relation to counselling experiences. This field of research required detail understanding of self, relationship with others and organizational ethos. Understanding of self, which is based on positive psychology, provides opportunity for individuals to explore strengths and weakness, as well as moving forward from that perspectives. Development process involves relationship with others. Individuals need others in understanding themselves, which contributing to positive feeling about themselves. Understanding of self and relationship with others partly related to organizational ethos or culture. Conducting research in those issues are challenging due many factors are interacting. In relation to this, qualitative research approach provides opportunities to explore, understand and make sense of individuals' experiences.

FIELD
Economics

EXPERTISE
Applied Econometrics, Financial Economics, Islamic Economics

SPECIALIZATION
Macroeconometrics, Islamic Financial Economics, Islamic Banking, Islamic Finance, Islamic Wealth Creation

FIELD
Counselling

EXPERTISE
Developmental Counselling

SPECIALIZATION
Supervision in Counselling, Qualitative Research

PROFESSIONAL MEMBERSHIP
- Member of MACFEA
- Member of Persatuan Ekonometrik Malaysia

- Board of Counsellor (Malaysia)

NETWORKING & RESEARCH COLLABORATION
- East Coast Economic Region Development Council (ECERDC)
- Ministry of Science, Technology and Innovation (MOSTI)
- Yayasan Wakaf Malaysia
- Institut Kajian Zakat
- Universiti Malaya
- Universiti Kebangsaan Malaysia
- Universiti Utara Malaysia
- Universiti Tenaga Nasional

PUBLICATION
- Scopus ID : 36523822900
- Researchgate : Nur Azura Sanusi
- Google Scholar : Nur Azura Sanusi

- Scopus ID : 35811118800
- Researchgate : Ruhani Mat Min
- Google Scholar :

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BEc. (UM) | MSc. (LSE) | PhD. (Manchester)

My work mainly focuses on gender-related issues in the labour market. This research area offers a wide perspective that needs to be undertaken in detail. My previous research at an international level is looking on a comparative study between Malaysia and Japan regarding labour force participation of married women. The outcome of this research offers a lot of potentials for further investigation on the role of women in the labour market. Recently, my study also contributes to the empowerment of women in the rural area. The research project entitled 'Empowering Rural Women Entrepreneurs through Social Innovation Model', successfully benefitted rural women to generate income using ICT application. Other research interests are in local economic development with the integration of national systems of innovative approaches. The current research project is looking at university's capacity building towards economic and community development. This research is expected to contribute outcomes to the related policy makers in redesigning the role of universities towards the betterment of nation as a whole.

Development Economics

Labour Economics, Innovation Economics and Technological Change

Gender Economics, Women-Related Issues, National Systems of Innovation, Local Economic Development

- International Association for Feminist Economics
- Asian Association of Women's Studies
- Globelics

- Osaka University, Japan
- Edith Cowan University, Australia
- London School of Economics and Political Science, United Kingdom
- University of Manchester, United Kingdom
- Universitas Sriwijaya, Indonesia

- Scopus ID : 39861962500
- Research gate : Suriyani Muhamad
- Google Scholar : Suriyani Muhamad

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BSc., MCL. (IIUM) | PhD. (Sheffield)

My research interest is focused on the commercial and contract law. Other research interests I have explored in the past few years were the related policy issues on illegal logging and sustainable forestry.

Law and policy

Commercial law

Contract law

- Scopus ID : 55242330400
- Researchgate :
- Google Scholar : Rokiah Kadir

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NUR AISHAH AWI
Dr.

AKMALIA MOHAMAD ARIFF
Dr.

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EDUCATION

BSc., MSc. (UiTM)	BAcct (Hons)(UUM)
PhD. (Coventry)	Macc (UiTM)
	PhD. (Auckland)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr. Nur Aishah is a lecturer of Management (Marketing) programme at the School of Maritime Business and Management, Universiti Malaysia Terengganu with more than 10 years teaching experience in the field. She holds a Bachelor of Science (Hons) Statistics (Business) from Universiti Teknologi MARA, Masters Degree in Quantitative Sciences (Operations Management) from Universiti Teknologi MARA and a PhD in Strategy and Applied Management from Coventry University, United Kingdom. She teaches Operation Management and Business Statistics. Her current research interest includes operation management, lean management, customer satisfaction and quality management.

My research interest is in the role of accounting in providing information for corporate decision making. My focus is towards financial accounting, where the reporting of financial information is crucial in assisting users to make salient decisions that influence resource allocation and performance evaluation. It is an important area of research since the quality of financial accounting and reporting can be influenced by various contextual factors. This field of research requires understanding of financial reporting quality, voluntary disclosures, and corporate governance; all of which are the areas of my research specialization. In the endevour towards strengthening the role of accounting, I explore topics on international accounting, corporate disclosure practices, tax aggressiveness, related party transactions, whistle-blowing, and board diversity. I would like to think of myself as an emerging researcher that has published in established journals (such as the Journal of International Accounting Research) but still need to extend my knowledge in various aspects of research in order to contribute more to the academic and practice. To achieve that purpose, I have actively (and look forward to) i) secured grants to venture into new research areas with the recent ones are on whistle-blowing and Islamic work ethics; ii) been networking with researchers from other institutions to develop better research ideas through the accummulation of diverse knowledge sets that each researcher has; iii) been liaising with the industry, especially through Teaching Accountancy Firm, to connect between academic research and practices, and iv) been expanding my research into using dataset of firms from various countries as to further understand the institutional environment that influence accounting practices.

FIELD	Management	Accounting
EXPERTISE	Operations Management	Financial Accounting and Reporting
SPECIALIZATION	Lean Management, Quality Management, Customer Satisfaction	Financial Reporting Quality, Voluntary Disclosure, Corporate Governance, International Accounting

PROFESSIONAL MEMBERSHIP

- Malaysian Institute of Accountants (Associate Member)

NETWORKING & RESEARCH COLLABORATION

- Curtin University, Australia
- Universiti Teknologi MARA, Malaysia
- Universiti Tenaga Nasional, Malaysia
- Universiti Sains Islam Malaysia, Malaysia

PUBLICATION

Scopus ID :	Scopus ID : 22984386200
Researchgate :	Researchgate : Akmalia M. Ariff
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BEc., MM ICZM (UMT)

PhD. (USM)

Dr. Aleff Omar Shah is a senior lecturer at the Bachelor of Management (Tourism) in the Universiti Malaysia Terengganu, School of Maritime Business and Management. He holds a PhD in Tourism Economic obtained from Universiti Sains Malaysia with his PhD study titled "Rural Socio-economic Empowerment through Tourism Entrepreneurship: A Case Study of Micro Tourism Entrepreneurs in Langkawi Island. He received him Bachelor Degree in Economics (Nature Resources) and Master in Management (Integrated Coastal Zone Management - ICZM) from Universiti Malaysia Terengganu. His research interests are in the field of tourism economic, tourism entrepreneurship, sustainable tourism development and micro business.

Tourism

Tourism Economic

Tourism Entrepreneurship, Sustainable Tourism Development Micro Business

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BSc. (Indiana)

MSc. (W. Michigan)

PhD. (Griffith)

My research interest is focused on the online digital marketing in regard to business-to-business (B2B) relationship marketing. This field of research requires detail fundamental understanding of relationship marketing as well as the changing environment of internet marketing. There are fundamental differences between business-to-consumer (B2C) and B2B relationship marketing in which the B2B environment concerns complex relationships and presumes a network-like business context. Compared to B2C, the B2B is a less explored environment in regard to online relationship marketing. Therefore in-depth interviews are vital in exploring these less explored fundamental understandings. This approach can truly discover the underlying themes, and I am interested to confirm the exploration findings with quantitative data. Other research interests I explore includes the effectiveness of online conservation marketing between conservation organisations and businesses. Even though online conservation marketing has been increasingly used by non-profit conservationists to raise funds and awareness for reducing biodiversity loss, the major issue is reaching the target audience and influencing their behaviour, especially if the target audience is a profit-making entity.

Business

Marketing

Relationship Marketing, Business-to-business, Digital Marketing

- Internet Marketing Association
- Global Development Initiatives

- Griffith University, Gold Coast campus, Australia
- University of Sydney, Australia
- University of Manchester, United Kingdom

- Scopus ID :
- Researchgate : Nur Amalina Mohamad Zaki
- Google Scholar : Nur Amalina Mohamad Zaki

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

AZIZUL YADI YAAKOP
Dr.

AZLINZURAINI AHMAD
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EDUCATION

BBA (IIUM)	BSc., MSc. (UPM)
MBA (UKM)	PhD. (Leeds)
PhD. (Surrey)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interests are in the field of Consumer Behaviour (including Tourist Behaviour) and Marketing Communication (especially in Advertising Attitudes and Social Media Studies). I have been leading some projects funded by the Malaysian government for the past ten years in the areas especially related to Scholarship of Teaching and Learning - technology acceptance in pedagogical practices across the tertiary sector and advertising effectiveness in Malaysian higher education institutions. Some other recent research projects are related to university brand identification, innovation in online shopping behaviour and market assessment for new ecotourism products (recreational reef scuba diving and island bird watching).

My research interests are in the areas of human resource management including employee turnover, work-life balance, flexible working, employee selection, employee workaholism, graduates employability, digital workforce and Generation Y. Conducting this research which mostly is related to employees, HR specialists and final year students as my potential respondents for labour force studies, require me to involve in quantitative and qualitative data. Therefore several research skills and methodologies have been explored and expanded from time to time upon completing the research such as by using online survey, employee survey, teacher survey, alumni survey and SMEs survey. In processing the surveys for data analysis, I have been exposed to SPSS, PLS-SEM, Nvivo, Bristol Online Survey, surveymonkey and googleforms. These exposures provide the keys to understanding the interrelationships between variables studied in business and management field. I have published in several journals and conference proceedings related to these research interests. I also involved in several research projects including TRGS, FRGS, TAPE-RG, CSD/IPK research grant and university research grant (GGP). Other research interests I have explored in those research grants including Orang Asli community, female workforce, leadership, talent management, business ethics and fairness in pay, CSR and environmental concern, sustainability, agribusiness and agricultural products, fishermen community and Kenyir community. I am committed in supervising many projects for postgraduate students and also final year students. Currently I actively supervise 10 postgraduates for PhD and Master by research and to date, 3 students have successfully passed viva and graduated. I also have supervised 11 MBA students for their final project papers and 5 case studies for MM (ICZM). With more than 15 years of experience in teaching Human Resource Management and business subjects at Universiti Malaysia Terengganu, I also disseminate my knowledge and research experts through knowledge transfer as I have been invited to give talk for mock-interview to final year students before internship, as speaker for postgraduate students in research methodologies classes, as speaker for alma-mater programme and supervised 12 final year students in undergraduate project papers. I have received Anugerah Pengajaran Terbaik from UMT in year 2015.

FIELD	Marketing	Business & Management
EXPERTISE	Consumer Behaviour	Management
SPECIALIZATION	Advertising Attitudes, Social Media Studies, Fish Physiology	Human Resource, Organizational Behaviour, Agribusiness
PROFESSIONAL MEMBERSHIP	British Academy of Management	• British Association Management (BAM) • Malaysian Institute of Management (MIM)
NETWORKING & RESEARCH COLLABORATION	University of Surrey, United Kingdom Universiti Teknologi Malaysia Universiti Pertahanan Nasional Malaysia Universiti Tun Hussein Onn Malaysia	• Leeds University Business School, United Kingdom • UniSZA • Universiti Putra Malaysia
PUBLICATION	Scopus ID : 55547302300 Researchgate : Azizul Yadi Yaakop Google Scholar : Azizul Yadi Yaakop	• Scopus ID : • Researchgate : Azlinzuraini Ahmad • Google Scholar : Azlinzuraini Ahmad

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BCM (Lincoln) | MCA(Acc) (VUW) | PhD. (IIUM)

My research interest is focused in the area of sustainability accounting and particularly, environmental management accounting (EMA), which is the provision of managerial accounting information relating to environment-related physical and monetary information that is important for both strategic and routine decision-making. EMA enables one to visualise the hidden environmental costs in an organisation, which then enables the organisation to reduce those costs hence improving its economic performance as well as contribute positively to the environment. A specific tool under EMA which is the focus of my doctoral research is Material Flow Cost Accounting (MFCA), a tool which already has two International Standards of its own, ISO14051 and ISO14052; whereas, the third one, ISO14053 is currently under progress. There is evidence of global practice of MFCA, particularly in Germany and Japan, and in Southeast Asia in Thailand and the Philippines. My research interest is also on the scope of small and medium-sized enterprises (SME), because in aggregate, the significant numbers of SMEs in Malaysia may contribute positively to sustainability. I had been fortunate to be able to publish in the Journal of Cleaner Production during my doctorate studies, and that has given me motivation to increase the visibility of my research on EMA and MFCA to others. However, given that I am relatively new to the research community, I have much more to explore and areas in which I would like to contribute to.

Accounting

Management Accounting

Sustainability Accounting, Environmental Management Accounting (EMA), Material Flow Cost Accounting (MFCA)

- Malaysian Institute of Accountants (MIA)
- Association of Chartered Certified Accountants (ACCA)
- Malaysian Nature Society (MNS)
- International Islamic University Malaysia (IIUM)
- Malaysia Productivity Corporation (MPC)
- Universiti Malaya (UM)
- Kansai University, Japan

- Scopus ID : 57195453380
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BEc. (Hons) (UM) | MBA. (Cardiff) | PhD. (Victoria)

Dr Fathilah ismail is a lecturer in Tourism Management at Universiti Malaysia Terengganu. She received a Bachelor of Economic (Hons.) from Universiti Malaya in 1994, Master of Business Administration (MBA) from University of Wales, Cardiff, in 1995 and Ph.D. in Island Tourism from Victoria University, Australia. Her main research interest is in the areas of island tourism and tourism economic.

Tourism

Island Tourism

Tourism Economic, Statistic Economic

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

Dip. (UNISZA)	B.MGMT (USM)
BBA. (UKM)	MBA (Cardiff)
MSc. (UTM)	DBA (UUM)
PhD (UMP)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on Halal supply chain (Transportation and Warehousing), technology adoption and Tourism studies. This field of studies need a strong knowledge and research methodology and data analysis since rapid changing in the academic world.
The way of analysing the data and also how research is conducted is updated align the technological changes. Though, to survive on this research area, a recent knowledge a highly required, and that is my strength. Hence, I am actively conduct workshops at few universities in Malaysia regarding research methodology and data analysing using Structural Equation Modelling (SEM) with Smart Partial Least Squares (PLS).

My research interest is in the field of marketing focusing on sustainable product and consumption, service and hospitality marketing, green marketing, and sustainable marketing. I am actively supervising research project for PhD, Master, MBA and Bachelor students in the area of internal marketing, consumer behaviour, service quality and satisfaction, sustainable marketing, green marketing, online purchase behaviour, consumer perception and traditional-knowledge, and employee quality and performance. I also involved in several research grants including Trans-disciplinary Research Grant Scheme (TRGS), Fundamental Research Grant Scheme (FRGS), UMT's Young Research Fund Scheme, World Wildlife Funds (WWF), and USM's Incentive Grant. I have published several journal articles in international and local Indexed journals and presented papers at national and international conferences. Moreover, I have invited to be a speaker for Local Knowledge Seminar, organised by USM and Asian Local Knowledge Network.

FIELD

Supply Chain, Technology adoption, Technology Management, Halal Logistic

Marketing

EXPERTISE

Halal Supply Chain, Technology Adoption, Data Analysis with SEM Smart PLS

Consumer Behaviour

SPECIALIZATION

Halal Supply Chain, Technology Adopotion, Logistic Management

Service Marketing, Sustainable Product, Green Marketing, Healthy food consumption, Sustainable Marketing

PROFESSIONAL MEMBERSHIP

- Chartered Institute of Logistic and Transport

- Malaysian Consumer and Family Economics Association (MACFEA)
- The European Academy of Management

NETWORKING & RESEARCH COLLABORATION

- Universiti Sains Malaysia
- Universiti Kebangsaan Malaysia
- A Central Universiti Jamia Millia Islamia, India
- Nottingham University, United Kingdom

- Universiti Utara Malaysia
- Universiti Sains Malaysia

PUBLICATION

- Scopus ID : 56074673600
- Researchgate : Abdul Hafaz Ngah
- Google Scholar : Abdul Hafaz Ngah

- Scopus ID : 35111566400
- Researchgate : Hayatul Salleh
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BSc., MSc. (Kustem)

PhD. (Tasmania)

My research themes align to the University's research theme of maritime. My research interests focus on dynamism of seaport system, logistics and intermodal interface between seaports and the hinterlands, dry ports development and management, seaport competitiveness and intermodal terminals development and management strategies. Outcomes of my research are continually published in the national and international conferences, high ranking journals and book chapters. Further, I have given an academic talk as an invited speaker in international maritime based universities. Other research interest that I have explored recently were on green ports, humanitarian logistics, seaport co-opetition, evaluation of seaports lifecycle, dry port marketing, vessel enlargement and the impact on seaport competitiveness, LARG, women in logistics, seaport quality and hinterland classification.

Maritime logistics
Seaports and intermodal system
Dry ports, Seaport competitiveness, Intermodal transport, Freight mobility, Inland terminals

- Chartered institute of Logistics and Transportation Malaysia

- Australian Maritime College, Australia
- MOKPO National Maritime University, Korea

- Scopus ID :
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KALSITINOOR SET
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BBA., MBA. (UiTM)

PhD. (UoN)

My research interest is focused on the small business management practices. The main research interest is in the areas of tourism small and medium enterprises (TSMEs) and on entrepreneurial behaviour in the tourism industry. Conducting this research has expanded great knowledge on the tourism industry small business environment and how tourism entrepreneurial influence the performance of his/her tourism business. This provide the keys to understand and explore the business performance, growth strategies, the characteristics and motivations of TSME owners. Currently my research focus is on the performance of scuba diving industry to Malaysia's tourism industry, entrepreneurial performance and its support for community.

Management
Small and Medium Enterprises
Tourism SMEs, Tourism Entrepreneurs

- Tourism Educators Association of Malaysia

- University of Newcastle, Australia
- University of Melbourne, Australia
- Rikkyo University, Japan
- Universiti Teknikal Malaysia Melaka

- Scopus ID : 56156842000
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- Google Scholar : Kalsitinoor Set

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

KASYPI MOKHTAR
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KHATIJAH OMAR
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EDUCATION

CILT (UK)	BSc. (N. Texas)
MSc., PhD. (UTM)	MSc. (UiTM)
	PhD. (UUM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My area of research is focused on the maritime transportation, logistics, and supply chain in which covers the efficiency, productivity and risk. This area focuses on the optimisation of resources available to achieve optimum performance of each mode of transportation. However, my focus more on seaport terminal, especially for the container terminal. This research requires suitable and ample data in ensuring proper methodology to be developed and applied. The recent case on security and safety for seaport terminal require proper understanding on managing risk, thus require in-depth research to obtain an outstanding output. I am keen to be part of current development in the maritime-related industry for continuous research and development to sustain and grow in the industry.

Human resource has contributed a lot in increasing productivity, better organizational performance and greater competitive advantage, thus research on human capital and development has become vital. My research covers areas such as conditions of employment, equality and diversity, working practices, training and development, succession planning, etc. and my research population covering youth, workforce especially female workforce, students, single mothers and entrepreneurs. Being a certified HRM Officer, I have shared my research findings with community, schools, colleges and universities, private and public organizations through knowledge sharing sessions such as lectures, academic and non-academic talks, discussions, as well as forum and seminars. Some of my research findings have been even transferred to translational research. Other research interests that I have explored in these recent years were related to work performance and talent management.

FIELD	Transportation	Management
EXPERTISE	Maritime (Container Terminal)	Human Resource Management
SPECIALIZATION	Transportation, Logistics, Supply Chain	Intention to Leave, Work Performance, Talent Management

PROFESSIONAL MEMBERSHIP

- The Chartered Institute of Logistics and Transport
- Transport Science Society of Malaysia
- Institution of Geospatial and Remote Sensing
- The Society of Logisticians Malaysia
- Malaysia Association of Transport, Logistics and Supply Chain Schools
- Malaysian Institute of Management
- Malaysian Institute of Human Resource Management

NETWORKING & RESEARCH COLLABORATION

- The Chartered Institute of Logistics and Transport Malaysia
- Univerisity Utara Malaysia, Malaysia
- Universitas Padjajaran, Bandung,Indonesia
- Telkom University, Bandung , Indonesia

PUBLICATION

- Scopus ID :
- Researchgate : kasypi
- Google Scholar : kasypi mokhtar
- Scopus ID : 56157459000
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EDUCATION

BSc. (UPM) | MSc. (UMT) | PhD. (UTM)

Cert. SPC (DTU) | MSc. (UTM) | BSc. Msc. PhD (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the transport and supply chain of maritime management. This field of research required detail understanding of transport and supply chain function and operation. Several researches have been done to study terminal operation and development. Research has studied the handling efficiency and interference bottleneck on terminal operation, e.g. ship operation, quay transfer operation and container yard operation. Besides, terminal expansion model has generated to calculate the terminal expansion needs based on marginal approach. Several algorithm equations are generated to calculate the expansion volume to support the terminal operation requirement, e.g. quay crane, prime mover, rubber-tyred gantry crane, berth, and others. Other research interests I have explored in the past were the dryport development, terminal development copes with OBOR (One Belt One Road) project, perspective on seafarer career, and others.

My research interest is in the area of Quality & Productivity Improvement focusing on the New Quality Trilogy. This field of research required detail understanding of Quality Definitions & Philosophies, Quality Improvement Tools & Methods and Quality Systems & Standards). I also put a lot of efforts in the research of integrating Kano Model & SERVQUAL into Quality Function Deployment especially for the applications in the training & development area. Beside Quality & Productivity Improvement my research interest are also in the field of Occupational Safety, Health & Environment and Logistics & Supply Chain Management .

FIELD EXPERTISE SPECIALIZATION

Maritime
Maritime Management
Transport and Supply Chain, Port Management

Quality, OSHE, Logistics & Supply Chain
Quality Tools & Methods, Quality Systems & Standards, OSHE Management, Maritime Transportation
SERVQUAL, Kano Model, QFD, ISO 9001, ISO 14001, ISO 45001

PROFESSIONAL MEMBERSHIP

- The Chartered Institute of Logistics and Transport

- CMILT, The Chartered Institute of Logistics & Transport, CILTUK.
- MCQI CQP, The Chartered Quality Institute, CQI UK.
- ASQ CMQ/OE , American Society for Quality. ASQ US.
- Malaysian Board of Technologist, MBOT Malaysia.
- FMM CMQ/OE , Federation of Malaysian Manufacturers.
- MMIM, Malaysian Institute of Management. MIM Malaysia.
- MIQM, Institute of Quality, IQM Malaysia.
- Life Member, Institute of Statistics Malaysia, IQM Malaysia
- Life Member, Persatuan Sains Matematik Malaysia, PERSAMA Malaysia
- Life Member, Malaysian Society of Science & Technology, MMSET Malaysia.

NETWORKING & RESEARCH COLLABORATION

- Universiti Teknologi Malaysia, UTM Malaysia

- Universiti Kebangsaan Malaysia, UKM Malaysia.
- Universiti Teknologi Malaysia, UTM Malaysia .
- Universiti Kuala Lumpur, UniKL Malaysia .
- Malaysian Productivity Corporation, MPC Malaysia
- SIRIM Training, SIRIM Malaysia
- Technical University of Denmark, DTU Denmark.
- Technical University of Ostrava, VSB-TUO, Czech Republic.

PUBLICATION

- Scopus ID : 57006437100
- Academia : Keng Bin Loke
- ResearchGate : Keng Bin Loke
- Google Scholar : Keng Bin Loke

- Scopus ID :
- Researchgate : Mohd Saiful Izwaan Saadon
- Google Scholar : Mohd Saiful Izwaan Saadon

MONIZAIHASRA MOHAMED
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EDUCATION

Dip. (UiTM)	BA (UiTM)
BA. (KUSTEM)	MBA. (UKM)
MBA (UPM)	PhD. (UMT)
PhD (UKM)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr. Monizaihasra Mohamed is a senior lecturer for the Bachelor of Management (Marketing) Programme, School of Maritime Business and Management, Universiti Malaysia Terengganu. She holds a PhD in Marketing obtained from the Universiti Kebangsaan Malaysia (UKM). Her research interests are in the areas of marketing and management, as well as consumer behaviour analysis. Specifically, her research interests covers on the topics such as services and hospitality marketing. She is a life member of the Malaysian Consumer and Family Economics Association (MACFEA) and currently appointed as an Executive Council for the association.

In general, my study is focused on the entrepreneurship and relate to the social mobility for those communities who are staying rural, urban and suburban areas. This field of research required detail understanding of social entrepreneurship and practicing in the small and medium industry. In term of business sustainability, the primary challenges of entrepreneurs is to balance the need for long-term solutions with the day-to-day realities that capable to develop the sustainable community in a context of social, economy, political, culture and environment. Conducting this research in the field are cumbersome due too many uncontrolled variable in the surrounding in community, industry and government. Hence, various academic actions have been done to realize the new theory and concept through research and implementing the knowledge transfer through engagement with community and industrial players. In order to achieve the goal as academician in Universiti Malaysia Terenggannu, several research activities have been carried out under School of Business and Management of Maritime and Institute of Tropical Biodiversity and sustainable Development.

FIELD	Marketing and management	Business
EXPERTISE	Marketing	Entrepreneurship
SPECIALIZATION	Services marketing, Consumer behaviour, Hospitality Marketing, Quantitative research	Social Entrepreneurship, Community-based Enterprise, Small and medium Enterprise

PROFESSIONAL MEMBERSHIP

- Terenggaanu Entrepreneur Development Foundation (YPUT)
- Terengganu State Economic Planning Unit (UPEN)
- Terengganu Family Development Foundation (YPKT)
- Universiti Teknologi MARA (UiTM)

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID :
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- Google Scholar : Monizaihasra mohamed

- Scopus ID :
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BBA, MBA (UiTM)

PhD. (Flinders)

Alia's research interests stem from a few main themes at the boundaries of social psychology, and tourism management and marketing. The first theme focuses on the tourist behaviours, including experiences and motivations. The second theme concerns on tourism and community perspectives, including perceptions and attitudes. Alia's research interests also concern to research methods in tourism including qualitative and visual research methods. Her current research interest relates to the new media (e.g social media, blogs, travel reviews) engagement and its implication to tourism.

Tourism management and marketing

Tourism

Tourism marketing, Social media, Qualitative research

Scopus ID :

Researchgate :

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BSc. (CILT)

MSc. (UTM)

PhD. (NDSU)

My primary areas of research activity are maritime transportation and logistics system and sustainable supply chain related issues. Problems in transportation and logistics are dynamic thus requires thorough research. The complexity in solving transportation and logistics problem has led to the development of models and techniques in operations research discipline to support decision making. My research in sustainable supply chain has led to the publication of articles with unique contributions to the transportation and logistics literature. My main focus has been on network design of transportation in the supply chain. My work in this area has considered the optimal transportation network with regards to optimizing profit, cost and environmental burden.

Transportation and Logistics

Logistics System

Maritime Transportation and Logistics, Sustainable Supply Chain

- The Chartered Institute of Logistics and Transport

- North Dakota State University, United States of America
- North Carolina A&T State University, United States of America
- University of New Haven, United States of America
- Ohio University, United States of America
- St. Edward's University, United States of America
- Fort Valley State University, United States of America
- Minnesota State University, United States of America
- Istanbul Sehir University, Turkey

- Scopus ID : 57194209800
- Researchgate : N. Muhammad Aslaam Mohamed Abdul Ghani
- Google Scholar : N. Muhammad Aslaam Mohamed Abdul Ghani

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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Dr.

NIK HAZIMAH NIK MAT
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EDUCATION

BAcc. (Hons) (UKM)
MSc. (IIUM)
PhD. (ECU)

BA. (UTM)
MA. (UIAM)
PhD. (ECU)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research area is focusing on auditing specifically on audit quality of financial external auditors. Audit quality is a fundamental factor in corporate governance to ensure the stability of the financial market. The implication of substandard audit quality not only faced by capital market participants but also to the general public. As such, through my research area, I am able to investigate the factors influence the audit quality especially from a behavioural perspective and proposing a new audit framework. In addition to that, my study could assist the regulator and professional bodies in accounting profession to enhance the quality of audit work.

My doctoral study has enriched most of my research knowledge and understanding, particularly in Human Resource Management field. Having gone through the research process of my study to explore the role development process of the line managers in the transition from personnel management to Human Resource Management has taught me a lot of challenges in managing employees at the workplace. This has led me to an interest at attempting to solve the employment issues in adapting to the changes of the modern workplace environment. One of the global changes facing organizations recently has been the impact of environmental factor such as climate change. The unexpected event of climate change has brought a great challenge for businesses to manage their operation and stay competent in the market. In this situation, employees are one of the important assets that could assist organizations in accomplishing their goals. This has increased my passion to explore the capability of employees that could contribute to the success of the organization, regardless of the situations.

FIELD
Accounting

EXPERTISE
Auditing

SPECIALIZATION
Auditing, Zakat

FIELD
Management

EXPERTISE
Human Resource Management

SPECIALIZATION
Line management, HRM function, HRM policies and practices, Issues in the modern workplace, Innovative work behaviour, HRM and climate change

PROFESSIONAL MEMBERSHIP
- Chartered Accountant (Malaysian Institute of Accountants)

- Australian and New Zealand Academy of Management (ANZAM)

NETWORKING & RESEARCH COLLABORATION
- Universiti Putra Malaysia
- Universiti Tenaga Nasional
- Universiti Teknologi Mara
- Edith Cowan University, Perth Australia

PUBLICATION
- Scopus ID : 56035886300
- Researchgate : Mohd Nazli Mohd Nor
- Google Scholar : Mohd Nazli Mohd Nor

- Scopus ID : 56940706000
- Researchgate : Nik Hazimah Nik Mat
- Google Scholar : Nik Hazimah Nik Mat

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BBA (Hons) MBA (UiTM)

PhD. (Victoria)

My research and teaching activities focus broadly on the use of ICT for small and medium enterprises (SMEs). My current research examines the social media adoption by SMEs in Malaysia. I also actively involves in knowledge transfer with local communities particularly in business consultations with micro and small businesses. I also successfully received an international grant; Australia - ASEAN Academic Partnerships for Small Business and ICT Knowledge Transfer Grant supported by the Australian Government through the Australia – ASEAN Council (AAC) of the Department of Foreign Affairs and Trade (DFAT). The project involves multi-country collaboration between Victoria University (Australia), Universiti Malaysia Terengganu (Terengganu), Mahidol University International College (Thailand) and De La Salle University (Philippines). Besides, I also became a resource person for Malaysia in the APEC Symposium on Policy and System for Promoting Micro, Small and Medium Enterprises (MSMEs) Modernization towards Industry 4.0 in Hangzhou, China; September 2017.

Business management
Marketing
E-commerce, ICT adoption, Internet marketing

- Chartered Institute of Marketing, UK

- Victoria University, Melbourne, Australia
- Mahidol University International College, Thailand
- De La Salle University, Philippines

- Scopus ID :
- Researchgate : Noor Fadhiha
- Google Scholar : Noor Fadhiha Mokhtar

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BA. (UTM)

MSc. (UEL)

PhD. (Newcastle)

Iffah's research interest covering mostly on tourism marketing, destination planning and development with qualitative research method become part of her speciality. Her current research focus on understanding of Terengganu tourism policy and planning and identify the factors for intangible culture (Mak Yong) extinction.

Tourism management and marketing
Tourism
Tourism marketing, Tourism Planning, Qualitative research

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NORAZLINA ILIAS
Dr.

NUR HAIZA MUHAMMAD ZAWAWI
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EDUCATION

B.Acct (UUM) | MBA (UPM) | PhD. (UiTM)

BAcct (Hons) (UUM) | MAcct (UiTM) | PhD. (La Trobe)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the management control systems and its effect to the performance of organization. Performance management system is crucial in any organization as it encompasses activities such as goal setting, continuous progress review, feedback and coaching for improved performance, implementation of employee development programmes, and rewarding achievements. However, the successful of performance management somewhat depends on the good monitoring and supervision control. Few studies show that lack of monitoring and supervision control, may contribute to the disorganized of management functions. Other research interests I have explored in the past few years were the implementation of management control systems in Malaysian local authorities, how the organizational culture affects the management control systems, and in turn, affects the performance of Malaysian local authorities.

I am a senior lecturer for the Bachelor of Accounting Programme, School of Maritime Business and Management. I hold a PhD degree from La Trobe University, Melbourne, Australia. I obtained her Master of Accountancy from UiTM and Bachelor of Accounting from UUM. My research interests lie principally in the management accounting area, specifically on the topic of management control systems that include strategic management accounting, balanced scorecard and performance measurement systems. Other areas of interest include financial management, corporate governance and disclosure.

FIELD
Accounting

Accounting

EXPERTISE
Management Accounting

Management Accounting

SPECIALIZATION
Management Control System, Performance Management System

Performance measurement systems, Management control systems, Public sector accountability, Qualitative research, Corporate governance

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID : 57190296795
- Researchgate : Norazlina Ilias
- Google Scholar : Norazlina Ilias

- Scopus ID : 57191765191
- Researchgate : Nur Haiza Muhammad Zawawi
- Google Scholar :
- Website : http:ppppm.umt.edu.my/?page_id=4238

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BSc. MBA (Buckingham)

PhD. (Edith Cowan)

My research interest is focused on the personal finance. This field of research requires a detail understanding of how individuals manage their financial affairs. The core element of personal finance is financial planning, which comprises assessment of individuals' financial position, setting their goals, creating a plan and execute it, as well as ongoing monitoring and evaluation. In recent years, concerns about consumers' financial capability have increased, as a result of socio-economic and technological changes. Therefore, it is important for individuals to have financial knowledge in order to help them making informed financial decision. In my past research, financial knowledge, financial risk tolerance, and the role of financial advisor/ planner are significant determinants in individuals' investment choice decision. Given the changing landscape of financial industry nowadays where the Islamic Finance is expanding globally, as well as the emergence of Industrial Revolution 4.0, it is of my interest to explore other important factors influencing individuals' decision or understanding with regards to their financial well-being.

Accounting and Finance
Personal Finance
Investments, Financial Literacy, Islamic Finance

- Registered Financial Planner (RFP)

- YES Wealth Planners Sdn Bhd
- Malaysian Financial Planning Council (MFPC)

- Scopus ID : 55313449700
- Researchgate : Nurasyikin Jamaludin
- Google Scholar : asyikin jamaludin

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Dip. (UPM)

BA. (UMT)

MBA. (Unisel)

Ph.D (UMU)

My research interest is focused on the personal finance. This field of research requires a detail understanding of how individuals manage their financial affairs. The core element of personal finance is financial planning, which comprises assessment of individuals' financial position, setting their goals, creating a plan and execute it, as well as ongoing monitoring and evaluation. In recent years, concerns about consumers' financial capability have increased, as a result of socio-economic and technological changes. Therefore, it is important for individuals to have financial knowledge in order to help them making informed financial decision. In my past research, financial knowledge, financial risk tolerance, and the role of financial advisor/planner are significant determinants in individuals' investment choice decision. Given the changing landscape of financial industry nowadays where the Islamic Finance is expanding globally, as well as the emergence of Industrial Revolution 4.0, it is of my interest to explore other important factors influencing individuals' decision or understanding with regards to their financial well-being.

Maritime Studies
Maritime Operation
Maritime Strategic Management,
Maritime Decision-Making,
Risk, Reliability & Uncertainty Modelling

- The Chartered Institute of Logistics and Transports (CMILT)
- International Association of Maritime Economist (IAME)

- Liverpool John Moores University, United Kingdom
- Yarmouk University, Jordan
- Samudra Shipyard & Engineering Sdn. Bhd, Malaysia
- Columbia Ship Management (Deutschland), Germany

- Scopus ID : 56702348700
- Researchgate : Nurul Haqimin Mohd Salleh
- Google Scholar : Dr Haqimin Mohd Salleh

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

Dr. NOR RAIHAN MOHAMAD

Dr. ROSHAIZA TAHA

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EDUCATION

B.Acct.(Hons)(UUM)	BAcct MBA. (UUM)
MSc. (UPM)	PhD. (Monash)
PhD. (UMT)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the corporate governance and social responsibility reporting. This field of research required detail understanding of how company directs their internal governance in response to new regulations, economic changes and other strategic planning. Being operated in an emerging economy, Malaysia faces several challenges on institutional structure, inefficient market and political connection issues. Thus, conducting research in a developing country setting also requires considerations on ethical, social and accountability issues. The corporate social responsibility reporting is an adjoining venture to companies to embark on sustainability agenda. Some of the researches has been conducted together with my postgraduate students from Malaysia and abroad; particularly Middle East countries.

The field of study allows me to understand the tax system in Malaysia. It is generally recognized that taxes are the most important source of revenue for the country. Changes in the tax system that are being made from time to time and have a significant impact on the country's financial management. As such, through my studies I have been able to see the effect of this changes on the overall financial system of the country. In fact I can also understand the important factors in determining economic stability. In addition, I also tried to explore the field of study that focused on the concept of Islamic economy. So I choose zakat as a new area of studies which was viewed as the same concept as tax. Through my research, strengths and weaknesses in the zakat management system can be identified and the results of this study are shared with zakat management centres in Malaysia.

FIELD	Accounting	Accounting
EXPERTISE	Financial Accounting	Taxation
SPECIALIZATION	Corporate Governance, Corporate Social Responsibility Reporting	Taxation, Zakat

PROFESSIONAL MEMBERSHIP

- Chartered Accountant, Malaysian Institute of Accountants
- Chartered Tax Institute of Malaysia (CTIM)
- Persatuan Akauntan Percukaian Malaysia (M.A.T.A)

NETWORKING & RESEARCH COLLABORATION

- Zarqa University, Jordan
- UniKL, Kuala Lumpur
- Teaching Accountancy Firm UMT-SALIHIN
- Monash University
- Waikato University

PUBLICATION

- Scopus ID : 55843105500
- Researchgate : Nor Raihan Mohamad
- Google Scholar : Nor Raihan Mohamad
- Scopus ID : 37076001000
- Researchgate : Roshaiza Taha
- Google Scholar : Roshaiza Taha

Dr. **RUDIAH** MD HANAFIAH

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BA (UMT)
MBA (UNISEL)
PhD (UiTM)

My research interest is focused on the maritime operation and maritime business in response to uncertain conditions. Transporting cargo by maritime transportation has been met with uncertain conditions that have influenced not only the movement volumes but also the expenditure cost and revenues. Therefore, speed reduction has been used as a strategy to solve this problem, particularly for the container and tanker sectors. Making precise decision is important in maritime industry in order to ensure the shipping world's survival in the tough time such as during the rising of bunker fuel prices and global economic recession. Therefore a combination of various decision making methods was applied; Analytic Hierarchy Process (AHP) and the Technique for Order Performance by Similarity to Ideal Solution (TOPSIS). The development of these decision making model can be used by industry practitioners as a tool and guideline to conduct performance evaluations as the parameters are allows to be added and dropped at any time without affecting the backbone of the model. Other research interests I have explored in the past few years were the study on potential benefits and obstacle of interstate short sea shipping in archipelagic Southeast Asia.

Maritime

Maritime Management

Maritime Operation, Maritime Business

- Chartered Institute of Logistics and Transport Malaysia

- Universiti Kuala Lumpur, Malaysian Institute of Marine Engineering Technology
- Universiti Teknologi MARA, Malaysia Institute of Transport
- University of Yarmouk, Jordan

- Scopus ID : R. Md Hanafiah
- Researchgate : Rudiah Md Hanafiah
- Google Scholar : R. Md Hanafiah

Dr. **SAFWAN** MOHD NOR

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BA (Hons) (UCLan)
MFA (La Trobe)
PhD (Victoria)

My research interest lies in the area of finance, specifically investment. My projects look into the application/ interrelation of fundamental and technical analysis, Efficient Market Hypothesis and behavioural finance, portfolio diversification, and financial optimization, and the utilization of machine learning techniques (neural networks, genetic algorithms, fuzzy logic, and others) within these fields as well as other financial areas. With these in mind and given the fact that finance is an applied subject, I bring together my experiences as a practitioner, educator and researcher to allow my research projects establish both practical and theoretical relevance. My industrial links include my current appointments as Director and Financial Planner of a licensed financial planning company and my former position as a Dealer in Bursa Malaysia. I hold professional licenses from Securities Commission Malaysia and Federation of Investment Managers Malaysia. Recently, I was appointed speaker at the InvestSmart® and Shariah Financial Planning workshop. While at international level, I am presently a Research Associate at VISES, which is one of the leading applied economic research groups in Australia. In addition to having my research papers presented at international conferences and seminars, I have published articles in ISI Web of Science® and Scopus indexed journals, some of which are ranked ABDC: A and ISI/Scimago: Q1, including *Economic Modelling, International Review of Economics and Finance, Investment Management and Financial Innovations, Journal of Economic Studies and Physica A: Statistical Mechanics and its Applications.*

Finance

Investment

Trading Strategies, Market Efficiency, Behavioural Finance, Portfolio Management, Financial Optimization

- Registered Financial Planner, Malaysian Financial Planning Council
- Certified Finance and Treasury Professional, Finance and Treasury Association, Australia
- Life Member, Malaysian Finance Association

- Research Associate, Victoria Institute of Strategic Economic Studies, Victoria University, Australia
- Certification and CPD Board Member, Malaysian Financial Planning Council

- Scopus ID : 56725307900
- Researchgate : Safwan Mohd Nor
- Website : http://drsafwan.com

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

Directory of eXperts

SARINA ISMAIL
Dr.

MOHD SHAARI ABD RAHMAN
Dr.

CONTACT

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EDUCATION

Dip (SIHE UK)
MBA., PhD. (UUM)

BAcct (Hons) (UUM)
MSc (Birmingham)
PhD (UTAS)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on a wide area of consumer behaviour such as product and services. On top of that, I am also interested in research focus on E-Marketing and Relationship Marketing.

My research interest is initially focused on the readiness of accountants, auditors and related parties toward Information Technology namely Data Mining in preparing an accounting information for decision making. It has expands to the implementation of IT in teaching and learning. Research (FRGS) project which I led, was about the effectiveness of Virtual Learning Environment (VLE) among accounting students. At the moment, also involve in one research group on the topic of Green Supply Change. Had once, being an examiner for one overseas PhD Candidate from Australia. Three PhD candidates has graduated which I am one of the member of supervising committee. Over the years, my research interest has diversify into various field, from accounting, management, entrepreneurship and also coaching. Currently, I am supervising three PhD (as Main Supervisor) and one Master student (Supervising Committee) on various topics including Mobile Payment Systems, Strategic Management, and Auditing.

FIELD
Marketing

Accounting

EXPERTISE
Marketing, E-Marketing, Relationship Marketing, Consumer Behaviour, MARTPLS

Accounting Information Systems

SPECIALIZATION
Consumer Behaviour Buying Pattern, Actual Buying Herbal, Product, SMARTPLS

Accounting Information Systems, IT and Accounting Education

PROFESSIONAL MEMBERSHIP

- Association of NLP Coaches Malaysia

NETWORKING & RESEARCH COLLABORATION

- University of Tasmania, Australia
- Universiti Sultan Zainal Abidin

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar : Dr Sarina Ismail

- Scopus ID :
- Researchgate : Mohd Shaari Abd Rahman
- Google Scholar : Mohd Shaari Abd Rahman

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Dip. BAc. MSc. (UPM)

PhD (UMT)

My research interests are in the area of financial reporting, financial management and accounting education. More specifically, my research covers the area of corporate governance, auditor switch, earnings conservatism, reporting quality, teaching quality, event study, market efficiency, financial literacy, issues in family business and culture. Most of these studies used panel data model which is my area of expertise. Besides, the most current ongoing research that I am working on at the moment is in the area of teaching innovation relating to the Industrial Revolution 4.0 (IR4.0). In addition to this, I am also working on two new researches, in collaboration with researchers from other public and private universities in Malaysia, on higher education sustainability. Since imparting knowledge to the community is vital and part of the Higher Education Ministry's effort to educate the people, in collaboration with the marine science researchers, I am currently contributing my expertise in the social science aspect to propose the business model to be used by the community in the northern area of Terengganu. Apart from this, I am actively supervising five PhD students in the area of bank performance, earnings management, loan loss provisions and corporate governance, which covers the Middle East countries.

Accounting

Financial Accounting, Financial Management

Financial Reporting, Earnings Conservatism, Corporate Governance, Wealth Effect, Accounting Education

- Malaysian Institute of Certified Public Accountants (MICPA)

- Scopus ID :
- Researchgate : Shahnaz Ismail
- Google Scholar : shahnaz Ismail

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BSc. (UKM)

MSc. (UiTM)

PhD. (Birmingham)

Ahmad Shauqi Bin Haji Mohamad Zubir is a finance lecturer at the School of Business and Maritime Management, Universiti Malaysia Terengganu (UMT), with more than 10 years teaching experience in the field. He holds a Bachelor of Actuarial Science (Hons) from Universiti Kebangsaan Malaysia, Masters Degree in Financial Engineering from Universiti Teknologi MARA and PhD in Finance from the University of Birmingham, United Kingdom. He was a finance officer before taking the role as a lecturer at UMT. His main research interest includes mathematical and econometrical modelling in finance, profitability analysis of financial assets and transactions, practicality of Islamic economics and finance, and investment evaluation and analysis.

Finance

Investment

Investment evaluation, Financial econometrics, Profitability analysis

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

SHAYUTI M. ADNAN
Dr.

SITI FALINDAH PADLEE
Dr.

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EDUCATION

BCM (Hons.) (LU, NZ)	MSc. (IIUM)	Phd. (Auckland)	BSc. (UUM)	MSc. (UTM)	PhD. (Monash)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr. Shayuti Mohamed Adnan is a senior lecturer at School of Business and Maritime Management, University Malaysia Terengganu. In 2005, she was awarded a master degree in accounting by International Islamic University Malaysia; her research was on management and Islamic accounting. She obtained her PhD from The University of Auckland Business School, New Zealand in 2012. She has been researching on the cultural influence on Corporate Social Responsibility of corporations in countries including Malaysia, China, India and the United Kingdom. Her research interest is on social and environmental accounting and Islamic accounting. At UMT, she teaches accounting theory, accounting for special industries and public sector accounting. Being an emerging scholar, she looks forward to see the sustainable world through changes in the way business is being operated.

I am a senior lecturer at the School of Maritime Business and Management, Universiti Malaysia Terengganu (UMT). I am obtained my Doctoral degree in Marketing from Monash University Australia in 2012 and Masters by Research of Management from Universiti Teknologi Malaysia (UTM). Prior to joining UMT, I worked as a research assistant in Universiti Teknologi Malaysia for 2 years and a lecturer in a private college in Kuala Lumpur. My research interests are in services marketing, service management and service tourism. I have published a number of publications either in international and local refereed-journals, and presented a number of papers in local and international conferences and seminars. I also has been appointed as a reviewer for articles in Journal of Marketing for Higher Education.

FIELD	Accounting	Marketing
EXPERTISE	Financial Accounting and Reporting, Budgeting, Islamic Accounting, Environmental and Social Accounting, Public Sector Accounting, Accounting Theory and Practice	Service
SPECIALIZATION	Environmental and Social Accounting	Higher education, Tourism
PROFESSIONAL MEMBERSHIP	Malaysian Institute of Public Accountant (MICPA)	British Academy of Management
NETWORKING & RESEARCH COLLABORATION	International Islamic University Malaysia The University of Auckland, NZ	
PUBLICATION	Scopus ID : Shayuti Mohamed Adnan Researchgate : Google Scholar : Shayuti Mohamed Adnan	Scopus ID : 56156608000 Researchgate : Siti Falindah Padlee Google Scholar : Siti Falindah Padlee

SITI NUR 'ATIKAH ZULKIFFLI
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B.Mgmt (UMT) | MBA (UiTM) | PhD. (Wollongong)

I am active in the research field of management, focusing on strategic entrepreneurship by identifying resources, specifically for developing capabilities and capacities of small and medium-sized entrepreneurs. Currently, I am a principal investigator of two research projects funded by Malaysian Government: (i) Outsourcing, Competitive Capabilities and Business Performance: An Empirical Study in Malaysian SMEs' Manufacturing Firms, and (ii) Modelling Innovation Capability through Relationship Orientation and Implications for Business Performance: Evidence from the Malaysian Third-Party Logistics (3PL) Providers.

Management
Enterpreneurship
Strategic Entrepreneurship, Strategic Management, Small and Medium Enterprises

- Scopus ID : 49865058700
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- Google Scholar : SNA Zulkiffli

SITI NURAIN MUHMAD
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BSc. (UiTM) | MSc., PhD. (UMT)

My research interest is focused on banking and Islamic finance as well as corporate governance of financial institutions. Bank performance has become a primary topic of debate among academicians and the public both in Malaysia and abroad. Thus, the topic needs a latest evidence for the improvement of banking performance globally. Apart of financial performance, corporate governance is the most important elements to boost up the banking performance. The outcome of the study is important to policymakers in assessing the effects of various regulations of the banking system and additionally, in deliberating on issues pertaining to corporate governance and bank performance that could determine the direction of the future banking. Other research interests I have explored the past few years were the corporate sustainability and Islamic finance.

Finance
Banking
Islamic Finance, Corporate Governance

- Chartered Institute of Islamic Finance Professionals (CIIF)

- Universiti Sultan Zainal Abidin (UniSZA), Malaysia
- Universiti Teknologi MARA (UiTM), Malaysia

- Scopus ID : 57196080036
- Researchgate : Siti Nurain Muhmad
- Google Scholar : Siti Nurain Muhmad

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

BSc. Hons. (Aberystwyth)
MSc., PhD. (UMT)

BAC (UKM)
MBA (KUIS)
PhD. (USIM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the accounting information system and SMEs performance. My current research activities are primarily in the areas of conceptual information retrieval and adoption of computerised accounting information systems in business organization. I also have collateral research interest in the relationships between Accounting Information System and Legal area. I am currently working on a project on developing accounting software for small legal firms. Done in collaboration with colleagues from Faculty of Law and Faculty of Informatics from nearby University (Universiti Sultan Zainal Abidin), we have won four Awards in innovation research competitions, performed at national and international level. This field of research required detail understanding of accounting for small firm, legal industry and software development. Other research interests I have explored in the past few years were the performance of small firms and performance of SMEs in Batik Industry. My papers have appeared in the Pertanika Journal of Social Sciences and Humanities, International Journal of Economics and Management, World Applied Sciences Journal and International Journal of Business and Management, among other journals. My background in accounting information system and SMEs firm performance gives me particular strength in teaching courses such as Accounting Information System, Analysis and Design Accounting Information System, Business Accounting and Management Accounting.

My research interest generally is in Islamic banking and finance. I had more than 18 years of working experience in various fields such as accountant, remisier, sales and marketing consultant in multinational companies. Currently, I am a senior lecturer at the School of Business and Maritime Management, Universiti Malaysia Terengganu. My specific research areas are in survey methodology, risk management and bank margin determinants, micro-finance, corporate governance and Islamic banking. I am an active research committee in several research grants.

FIELD
Accounting

EXPERTISE
Accounting Information Systems

SPECIALIZATION
Accounting Information Systems, SMEs performance

Financial Mathematics and Accounting

Survey Methodology, Statistics, Accounting, Finance

Energy Economics, Customer Satisfaction Measures, Risk Management

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION
- Universiti Sultan Zainal Abidin
- University of Sriwijaya, Palembang, Indonesia.
- University of Anadalas, Padang, Indonesia.
- Universiti Sains Islam Malaysia

PUBLICATION

Scopus ID :
Researchgate : Wan Nur Syahida Wan Ismail
Google Scholar : wan nursyahida

Scopus ID :
Researchgate : Wan Abdullah, W M Z
Google Scholar : Wan Abdullah, W M Z

WAN NORHAYATI MOHAMED
Dr.

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PhD. (UMT)

My scientific research began in the area of organizational behaviour during my studies toward a Master of Science in Management at Kolej Universiti Malaysia Terengganu. I studied the relationship between job satisfaction and service quality, with the goal of determining whether satisfied employees able to deliver high quality service and satisfied the customer. My PhD thesis at the Universiti Malaysia Terengganu investigate the influence of the quality of work life and life satisfaction among health care employees towards healthcare service quality. Currently my research focuses on three areas of organizational behaviour: quality of work life, emotional labour, and intention to leave among gen-y employee in service organization. My research interest is largely shaped by my own upbringing, graduate training background, travel experience, and a strong desire to find solutions to improve employee well-being and service performance in service organization.

Management
Organization Management
Organizational Behaviour, Service Management

- Scopus ID : 56613032500
- Researchgate : Wan norhayati Mohamed
- Google Scholar :

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BAcc (UPM) MAcc. (UKM) PhD. (USM)

My research interest is focused on the financial accounting and reporting, human governance and corporate governance. This field of research required detail understanding of the role of leader values in strengthening the corporate governance system and financial reporting quality. The study used two types of data. The secondary data is collected from the corporate annual reports which provides information about the corporate governance mechanisms and financial reporting quality while the primary data is collected through a structured questionnaire that distributed to corporate leaders in acquiring self-perceptions on leader values. The study applied inter-discipline of fields between management like leadership values and accounting that is financial reporting quality and corporate governance practices. Combination of these disciplines provide more meaningful findings. The study also provided a significant information for regulators and policy makers on the importance of corporate leader values in governing the corporation. The study suggested that the rules and regulations enacted should be integrated with the principle values to be practiced by the corporate leaders and corporate members. The new concept of human governance is introduced as important approach in enhancing the quality of corporate people as well as the quality of corporate governance structure. Other research interests I have explored are the teaching innovation in the 21st century education that focuses on the innovation of teaching methods for accounting and finance.

Accounting
Financial Accounting
Financial Reporting, Human Governance, Corporate Governance

- Universiti Kebangsaan Malaysia (UKM)
- Universiti Sains Malaysia (USM)

- Scopus ID :
- Researchgate : Wan Zanani Wan Abdullah
- Google Scholar :

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

WAN ZURIATI WAN ZAKARIA
Dr.

YUSNITA YUSOF
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EDUCATION

B. acct (Hons), MBA (UUM)	BBA (HONS) (UUM)
PhD. (CQUniversity)	MA. (Griffith)
	PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is in the areas of public sector accounting, management accounting, and accounting education. My Ph.D. degree was on the impact of government accounting systems towards task performance, organizational performance and users' performance. I am currently supervising doctoral candidates within the areas of management accounting practices, sustainability reporting and performance measurement system. Since there is on-going discussion on performance measurement system, not only in public sector but in private sector as well, thus it is important in knowing how to measure performance especially with the advancement of technology. In the advanced technology environment it may requires new evolution of performance measurement systems which is more crucial and complicated. Therefore, it is interesting to expand my interest on the new innovation of performance measurement system in both sectors.

My scientific research began in the area of tourism planning and development during my studies toward a Master of Tourism Management degree at Griffith University, Gold Coast, Australia. I studied the management of tourism search behaviour pattern on the Internet among international tourist, with the goal of determining the planning process and explaining the observed behaviour inclination towards the choice of destination and tourism consumptions. Over the years, my interest has expanded to include community-based tourism and tourism impacts. My PhD thesis at the Universiti Malaysia Terengganu investigating the quality of life among rural communities pursuing tourism based activities particularly in accommodation sector and homestay. Currently my research focuses on three areas of tourism management: community-based tourism, pro-poor tourism, and tourism social innovation. My research interest is largely shaped by my own upbringing, graduate training background, travel experience, and a strong desire to find solutions to socio-economic problems, thus inspiring me to undertake research on community-based tourism. I do research with the conviction that I can make a difference in how public policy decisions affect people's lives especially the marginalized and often poor rural community.

FIELD	Accounting	Tourism
EXPERTISE	Public Sector Accounting	Tourism Management
SPECIALIZATION	Government Accounting Information System, Public Sector Performance	Tourism Geography, Tourism Research, Pro-Poor Tourism, Community-Based Tourism, Tourism Social Innovation
PROFESSIONAL MEMBERSHIP		
NETWORKING & RESEARCH COLLABORATION		

PUBLICATION

- Scopus ID : 57191723374
- Researchgate : Wan Zuriati Wan Zakaria
- Google Scholar : Wan Zuriati Wan Zakaria

- Scopus ID : 56613032500
- Researchgate : Yusnita Binti Yusof
- Google Scholar : Yusnita Yusof

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BBA(Hons) (UUM) MBA (UTM) PhD. (UMT)

My research interests include Entrepreneurship, Digital Entrepreneurship, Small and Medium Entreprises (SME), Tourism Management, Tourism Sustainability, Island Tourism, Community Tourism, Management, Marketing and Human Resource Management. I have published my work in several international journals and actively involved in various research grants and conferences. At national level, I was appointed as a Business Counsellor (Biskaunselor) in year 2017 until 2018 by Insititut Keusahawanan Negara (INSKEN) for coaching small and micro enterprises. Currently, I was appointed as a Deputy Director at the Centre Of Knowledge Transfer and Industrial Networks of Universiti Malaysia Terengganu.

Business Administration

Entrepreneurship & Tourism

Small & Medium Enterprises (SMEs), Social Entrepreneurship, Digital Entrepreneurship, Island Tourism, Community Tourism, Tourism Management, Tourism Development, Management Marketing, Human Resource

- Tourism Educators Association of Malaysia (TEAM)

- Universiti Teknologi Malaysia, Malaysia
- Universiti Utara Malaysia, Malaysia
- Universiti Perguruan Sultan Idris, Malaysia

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- Researchgate :
- Google Scholar :

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DBS, BBA, MBA (UiTM) Dip., Ph.D (Cardiff)

My research interest is focused on the consumer behaviour analysis related to typical consumer behaviour and green consumer behaviour. I'm interested to examine the connection between consumer situation, psychology and behaviour via the Behavioural Perspective Model. Other research interests I have explored in the past few years were the green entrepreneur behaviour, gamers behaviour, women workplace discrimination, port tourism, small and medium-sized enterprise's behaviour toward social media, and consumer digital behaviour. I've also been involved in the project related to marketing plan for small and medium-sized enterprises as well as for the non-profit organization.

Marketing

Consumer Behaviour, Marketing Management

Consumer Behaviour Analysis, Green Consumer

- Malaysia Consumer and Family Economics Association (MACFEA)

- University College Bestari, Terengganu, Malaysia
- Multimedia University, Melaka, Malaysia
- Politeknik Tuanku Sultanah Bahiyah, Kedah, Malaysia

- Scopus ID :
- Researchgate : Zuha rosufila Abu Hasan
- Google Scholar : zuha rosufila

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

LL.B(Hons), LLM., PhD. (UKM)

BSc., MSc. (UKM)

PhD. (Strathclyde)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on product liability particularly on medical and beauty products as a consumer who is exploited of their weakness whom unable to evaluate and make a decision as a smart consumer, especially when faced with the use of cutting-edge, complex and sophisticated products such as medical devices, and pharmaceutical products. This field of research required detail understanding of the laws on liability and to what extend it protects the consumers. Several shortcomings have been identified under the related laws such as law of tort, Consumer Protection Act 1999 and Medical Device Act 2012 and I am committed to improve the consumer's mechanism of compensation. I have expanded my research to medical beauty products and cosmetic products liability in Malaysia as substandard, dangerous products are out in the market for the usage of consumers which can cause severe injuries or death.

My research interest is focused on sustainability of solid waste management. This field of research required detail understanding the current issues of solid waste management particularly in develop countries and also in developing countries. The lack of consistent and comprehensive data of solid waste management is the challenge for this research in measuring sustainability of solid waste management. Other research interest I have explored in the past few years are sustainability of solid waste management in Small Island and environmental education and awareness in recycling and composting program.

FIELD
Business Law, Consumer Law

Environmental policy and sustainability

EXPERTISE
Product Liability

Solid waste management

SPECIALIZATION
Medical Product Liability

Social impact assessment (SIA), Environmental awareness, Recycling and composting

PROFESSIONAL MEMBERSHIP
- Member of the Malaysian Bar
- Social Impact Assessment Association

NETWORKING & RESEARCH COLLABORATION
- National University of Malaysia
- University of Strathclyde, UK

PUBLICATION
- Scopus ID : 56099877700
- Researchgate : Fahirah Syaliza Mokhtar
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- Researchgate :
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BHSc., MHSc. (IIUM)

PhD (Monash)

My research interest is focusing on the life scripts, culturally shared expectations about the order and timing of life events in a prototypical life course - proposed to dictate the ages when an individual should experience important life events. The concept of life script has been used to explain the reminiscence phenomenon – enhanced accessibility of autobiographical memories from the age 15-30 by middle-aged and elderly people. The reason why people at late age recollect significantly more memories from adolecscence and early adulthood was earlier explained by two theories; cognitive theory and narrative/ identity theory. These two theories, however, could not explain the fact of having no bump for negative events reported in recent studies. The life-script theory is thus emerged suggesting that the social expectations held by members of a particular society basically determine when an individual should experience what event, and this is more applicable to positive events than the negative ones. According to this theory, society expects the highly positive events are more likely to occur during adolescence and early adulthood rather than in other life periods. This theory, however, received limited support (mostly in Western cultures), therefore warrants for further studies, preferably in non-Western cultures.

Psychology

Psychology

Cognitive Psychology

- Malaysian Psychology Association (PSIMA)

- Scopus ID :
- Researchgate :
- Google Scholar :

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BEc. (Hons)., MEc., PhD. (UUM)

My research interest is focused on the development economics. This field of research allows me to engage in many types of research involving development issues. Conducting research in this field has the open path to explore and develop skills towards environment, tourism, labour and entrepreneurship issues. I have been involving in several consultations and research projects focusing on coastal community economic issues, job creation in tourism sector, labour and migration in development economics, entrepreneurship activities with community.

Economic

Development

Migration, Labour economic, Environment economic, Tourism development, Entreprenuership

- Persatuan Ekonometrik Malaysia (PEM).

- Scopus ID : 55561691600
- Researchgate : Nor Ermawati Hussain
- Google Scholar : Nor Ermawati Hussain

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BEc. (Hons) (UUM) | MEc. (UM) | PhD. (UPM)

BSc. (UMS) | MSc. (UM) | PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the development economics. This field of research allows me to engage in many types of research involving development issues. Conducting research in this field has the open path to explore and develop skills towards innovation and entrepreneurship issues. I have been involving in several consultations and research projects focusing on coastal community economic issues, job creation in Small and Medium Enterprises, Islamic economics issues such as the roles of zakat in development economics, and creative industries & entrepreneurship activities in small and medium businesses.

My research interest is focused on the human and environment systems in response to urban ecology and sustainable living. This field of research required detail understanding of concept and models on material stocks and flows in human and environment systems, also in a contribution to transition towards sustainable development. Conducting this research in the field are solid waste and nutrient leakage due to many uncontrol variable in the surrounding. My research interests lie in analyzing, modelling and assessing transitions towards sustainability. For doing so, I am able develops inter-and trans disciplinary methods which are able to depict the key aspects of the ecological and the social systems and moreover the relations, feedbacks, and regulatory mechanisms between them. My application areas are in biomass energy, phosphorus, nitrogen, water, waste, food, and agro land-use in the context of urban, peri-urban and rural development in Malaysia.

FIELD
Economics

EXPERTISE
Development

SPECIALIZATION
Innovation, Entrepreneurship, Development issues

FIELD
Environmental Science

EXPERTISE
Socio Ecological System

SPECIALIZATION
Human Environment Relations Social and Industrial Ecology, Interdisciplinary modelling

PROFESSIONAL MEMBERSHIP
- MACFEA (The Malaysian Consumer and Family Economics Association)

- Malaysian Social Science Association (PSSM)

NETWORKING & RESEARCH COLLABORATION

- University Malaya, Malaysia

PUBLICATION
- Scopus ID : 57195317073
- Researchgate : Noor Haslina Mohamad Akhir
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- Scopus ID : 54945242800
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- Google Scholar : Latifah A.Ghani

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BEc. (UNIMAS)
MEc. PhD. (UPM)

My research interest is focused on economic valuation methods for non-market goods and services which comprises a range of empirical approaches to estimate a monetary value for the trade-off a person would be willing to make to increase the amount or the quality of a good or service for which there exists no market. Most of my studies emphasis on determining willingness to pay (WTP) involves questioning people directly to ask what they would be willing to pay for a certain product, where the goal is to understand individual's personal values to better assess their willingness to pay. I have applied the concept to many areas in researches such as in determine water pricing, non-renewable energy scheme, endangered species animals, conservation activities and many more. Assessing individuals' willingness to pay plays a role in developing competitive strategies, new products, and value audits. I'm also an active researcher and academician by attending conferences in the area and participating actively in environmental and natural resource economics association.

Economics
Economic Valuation
Natural Resource Economics, Environmental Economics

- Malaysia Environmental Economics Association (MEEA)
- East Asian Association of Environmental and Resource Economics (EAAERE)
- South Asian Network for Development and Environmental Economics (SANDEE)

- Universiti Putra Malaysia
- University of the Philippines Los Baños, Philippines

- Scopus ID : 56102066600
- Researchgate : Mahirah Kamaludin
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BHsc (Hons) (IIUM)
MSc (Nottingham)
PhD (Victoria)

My research interest is focused on employee wellbeing. This field of research allows me to engage in many types of research involving prediction of employee wellbeing from organizational justice, work family conflict as well as psychosocial work environment. I have been involving in several research projects focusing on wellbeing of peripheral community investigating their psychological wellbeing, spiritual wellbeing and life satisfaction.

Psychology
Organizational Psychology
Wellbeing, Work family conflict, Measurement

- PSIMA (Malaysian Psychological Association)

- Scopus ID : 56146605400
- Researchgate : R Zirwatul Aida R Ibrahim
- Google Scholar :

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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EDUCATION

Adv. Dip. (UNISZA)	BA Hons., MA.(UKM)
MSc. (UPM)	PhD. (Keele)
PhD. (QUT)	

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the family counselling. This field of research allows me to explore more about family development and how to enhance the quality of family life. My main research was on family counselling theory which relate to the family theories that can be used in counselling session particularly in Malaysia. I have been involving in several consultations and research projects focusing on delinquent teenagers, single mother and others area that relate to society and family.

My research interests centre on improving resource policies towards sustainability, understanding the reciprocal relations between environmental policy and politics, and understanding the connection between environmental issues, governance and society.

FIELD	Counselling	Politics and International Relations
EXPERTISE	Family Counselling	Global Environmental Politics
SPECIALIZATION	Couple, Family Theory, Counselling process	Environmental Foreign Policy, Public Policy, Global Governance, Women and Elections

PROFESSIONAL MEMBERSHIP

- Malaysian Counsellor Board KB 04473

- European Society for Environmental History
- International Political Science Association (IPSA)
- Persatuan Sains Sosial Malaysia (PSSM)

NETWORKING & RESEARCH COLLABORATION

- Malaysian Embassy, Santiago, Chile
- Malaysian Embassy, Ankara, Turki
- University of Abo, Finland
- Public Works Authority, Doha, Qatar
- Universiti Teuku Omar, Acheh, Indonesia

PUBLICATION

- Scopus ID :
- Researchgate : adawiahyusof
- Google Scholar :

- Scopus ID : 57190210941
- Orcid ID : L-2209-2014
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- Google Scholar : Roslina Ismail

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MA. (UKM)

PhD. (Makassar)

My research interests include Islamic economics, Public Economics, Social finance, Islamic Microfinance, Fiqh Mualamat. This field of research required detail understanding of foundation of economics and finance.

Economics and Finance

Islamic Economics and Finance

- Institute of Islamic Economic and Thought (IESTC) Malaysia
- INSTITUT PERTANIAN BOGOR
- STEI TAZKIA
- Trisakti University

- Scopus ID : 54997970500
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- Orcid ID : 0000-0001-5541-4890

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BEc, MEc., PhD. (UPM)

My research interest encompasses a broad area in Environmental and Ecological Economics and Development Economics and most particularly on Natural Disaster and Environmental Quality, Economics of Climate Change, Economics of War and Terrorism, and also Biodiversity and Fertility. During the natural disasters event, there are some factors may influenced the severity of destruction during and post-disaster event, including some of the economic and socio-economics factors such as GDP, growth, education, population, per capita income, location, birth rate, and also other factors such as deforestation, climate change and etc. These factors can be very important in determining the recovery period after the natural disaster event and also the preparedness for the future event. I have been also involved in group research for natural disaster during the biggest flood in East Coast area in 2014, as a group leader for Economic Valuation, on losses and also for non-market goods and services which comprises a range of empirical approaches to estimate a monetary value for the trade-off a person would be willing to make to increase the amount or the quality of a good or service for which there exists no market. My latest research was on Coastal Erosion in Kuala Nerus areas. These studies emphasis on determining willingness to pay (WTP) and also willingness to contribute (WTC), which using primary data by questioning people directly to on what amount that they would be willing to pay for a certain product, and such etc. I'm also an active researcher and academician by attending conferences in the area and participating actively in environmental and natural resource economics association.

Economics

Environmental and Ecological Economics and Development Economics.

Natural Disaster and Environmental Quality, Economics of Climate Change, Economics of War and Terrorism, and Biodiversity and Fertility

- Universiti Putra Malaysia
- INCEIF

- Scopus ID : 35189344100
- Researchgate : Jaharudin Padli
- Google Scholar : Jaharudin Padli

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BSc., MS., PhD. (UKM)

BEd. (UPM) MEd. (UM) PhD. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the career development and career counselling. Research undertaken in the past emphasized on career development process which include observing career self efficacy, career maturity and career planning among community college students. My latest research is on the influence of demograpich factor on career readiness and career maturity among technical students (TVET)

My research interests focus on the multidimensional counseling skills among counselors. This field of research requires a detailed understanding of culture and cultural diversity in the context of multi-racial Malaysia. The diversity of society means there is also a diversity of problems. Diversity is not only from the macro point but also the micro which requires the specific competence of a counselor to deal with it. Counseling services in Malaysia are also growing and recognizing, therefore the parties concerned should take the initiative to provide counselors with certain competencies including the multidimensional counseling efficacy. The counselor's efficiency in addressing various cultural issues in counseling sessions will increase the effectiveness of counseling sessions. Multiple cultural counseling cleverness covers the domain of consciousness, knowledge and skills. Counselor training at university level is the basis for the mastery of this competency. But ongoing exercises such as in-service training will further enhance this efficiency. The competent counselor will complement other counseling skills. The proficient counselor will also improve the quality and professionalism in providing the best counseling and mental health services in the 21st century.

FIELD	Counselling	Counselling
EXPERTISE	Career counselling	Multicultural Counselling
SPECIALIZATION	Career counselling, Career development	Multicultural Counselling, Career Counselling

PROFESSIONAL MEMBERSHIP

- Malaysia Counselling Association (PERKAMA)
- Lembaga Kaunselor Malaysia
- Lembaga Kaunselor Malaysia
- PERKAMA International

NETWORKING & RESEARCH COLLABORATION

- Majlis Amanah Rakyat (MARA)
- Yayasan Pembangunan Keluarga Terengganu (YPKT)
- Yayasan Terengganu
- Jabatan Kebajikan Masyarakat Terengganu
- Institute for East China Sea Research, Japan
- Malaysia Teacher Education Institute

PUBLICATION

- Scopus ID : 57192990316
- Researchgate : Jasbatrisyia2
- Google Scholar : Jasmi Abu Talib
- Scopus ID : 55942942100
- Researchgate : Kamarul md Shah
- Google Scholar : KAMARUL MD SHAH

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B.HSc. (IIUM) MSc. (UPM) PhD. (Leeds)

My research interest is focused on understanding psychological, behavioural and social factors influence physical and mental health. This includes research on health related behaviours including eating, physical activity, smoking, risky driving in response to stress, as well as the use of the psychological theory to change health behaviours and maintain healthy lifestyles. These works provide the keys to a greater understanding of psycho-social factors contributing to both mental and physical health, with the intentions to promote general well-being, understand physical and mental illness and provide support for people who are chronically ill. Other research interests I have explored in the recent years was the use of technology to promote positive healthy behavioural changes through intervention amongst children especially from low socio-economic backgrounds.

Psychology
Health Psychology

Health Behaviour, Stress, Health Intervention, Mental Health

- Malaysia Psychological Association

- Universiti Sains Malaysia
- Universiti Putra Malaysia
- Universiti Kebangsaan Malaysia
- University of Leeds, UK

- Scopus ID : 57192717241
- Researchgate : Madihah Shukri
- Google Scholar : Madihah Shukri

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BAc. (UNIMAS) MPA. (UM) PhD. (USQ)

My aim is to employ knowledge and skills in policy and development studies through research, expert consultation and community partnership. My key areas are rural development and regional development policy, ICT for development (ICT4D), community informatics, social capital and community development. I have published my publications in journals, monographs and book chapters published by UMT Publishers, UiTM Publishers, and MIT. The latest publication is "Assessing Rural Telecentres in Malaysia Using Program Logic Framework". I have evaluated the conference paper for the Interdisciplinary ICT Practice 2017 (IIPC), Australian Journal of Information Systems, Reviewer, 2015, International Conference Proceeding: ICoPS, Reviewer, 2015 and writing a journal article titled "Building social capital through community informatics: Strong local community participation and engagement at RICs." I had won the Best Paper Award at IPID Postgraduate Strand at Royal Holloway University of London, UK, through my thesis entitled 'Evaluating the Contribution of Community Informatics to Rural Development: The Case of Malaysia's Rural Internet Centers'. I have received an Excellent Service Award, FSPPP, UiTM, 2007 and Bronze Award from University Research Innovation Symposium Exposition 2015 (RISE 2015), MOSTI. I am currently involved in the new Bachelor Degree Program. I sit in the committee to plan for new syllabus and involved in other committees; the task of international research cooperation and networking as well as the development of Teaching and Learning.

Policy Studies & development

Community Informatics,Social capital development, Regional development policy

ICT for development, Telecentres, Rural development, Social Capital

- Australian and New Zealand Academy Management, Member, July 2010 - September 2012
- Development Studies Association (DSA) The Professional Association for Development Research and Knowledge, Feb 2018

- Chiang Mai University, Thailand- Research and Publication Collaboration, 2017
- University of Southern Queensland, Australia- Research and Publication Collaboration, 2013
- ICTD 2015-Public Access ICT Across Cultures-Diversifying Participation in the Network Society, Panellist Open Session, 15/05/2015 - 18/05/2015, Nanyang Technological University, Singapore, Public Access ICT: What we know about impact and how to amplify it.

- Scopus ID :
- Researchgate :
- Google Scholar : Dr Marhaini Mohd Noor

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

B.HSc. (IIUM)
MSc., PhD. (UPM)

BSc. (YAU)
MSc., PhD. (UPM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on psychology and counselling. My specific interest is on spiritual counselling. Various theory has been established and applied in counselling practice such as Rational Emotive Behavioral therapy, Person Centered, Behavioral therapy etc. However, spiritual counselling is still opened to research and discussion. Human being is a very complex creatures, therefore, to help them develop holistically, ways of helping also need to be aligned with the individual's needs and capacity. Spiritual counselling is a way to help the client to look up to their need as well as to the purpose of their existence. In pursuing of helping them, the counsellor must have specific competency i.e. spiritual competence in order to give an effective services. Research should be conducted in these specialization to enhanced the practical as well as the theoretical aspect of this approach. My research interest also related to other areas in counselling and psychology such as group counselling and resiliency among adolescent.

My research interest is focused on the natural resource development policy. This field of research is about the impact of management policies on the natural resource utilization, long term use of natural resource and its sustainability. The impact of management policy not only on the natural resource sustainability also on the economic and social livelihood of the communities is the major specific concern of the research. Conducting research in the field is mainly concerned on the renewable natural resources such as fisheries resources, forest resources and land resources due to the open access nature of the resources and strong effect of management policy regulation on the utilization of those resources. Therefore evaluation of the current management policy and implementing the proper alternative management policies for each and specific utilization of these natural resources are crucial for conducting this research. The simulation on the resources status and economic and social livelihood of the community by using system simulation approach is the most appropriate and useful tool for the policy analysis research. These approaches can discover the impact of management policy and future prospect on both natural resource sustainability and livelihood sustainability of the community. The research interests I have explored in the past few years were impact of management policy on the trawl fishing industry in Malaysia using system simulation approach and the appropriate alternative management policies combination were proposed for the sustainability of fisheries resources in Malaysia.

FIELD	Psychology	Natural resource economics
EXPERTISE	Counselling	Policy analysis, System Simulation
SPECIALIZATION	Spiritual Counselling	Fisheries economics, Land resource economics

PROFESSIONAL MEMBERSHIP

- Lembaga Kaunselor Malaysia
- PERKAMA International

- System Dynamics Society, Albany, USA.
- EAAERE (East Asian Association of Environmental and Resource Economics)
- Myanmar Economics Association (MEA)

NETWORKING & RESEARCH COLLABORATION

- Institute of Agricultural and Food Policy Studies, UPM

PUBLICATION

- Scopus ID : 56147588200
- Researchgate : Mazidah Mohd Dagang.
- Google Scholar : Mazidah Mohd Dagang

- Scopus ID :
- Researchgate : Moe Shwesin.
- Google Scholar : MoeShwe Sinupm

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BEc., MEc. (UKM)

My research interest is focused on the development economics especially in wealth distribution, government policy, Ethnic Relations and Islamic Economics. Research works are focus to the current issues on social issue in community especially in wealth distribution among ethnic and the impact of government policy to community.

Economics
Development Economics
Development Economics, Ethnic Relation, Islamic Economics

- Persatuan Sains Sosial Malaysia (PSM)
- Persatuan Ekonomi Malaysia (PEM)

- Universiti Kebangsaan Malaysia, Malaysia
- Universiti Teknologi Malaysia, Malaysia
- Universiti Sultan Zainal Abidin, Malaysia

- Scopus ID :
- Researchgate : Muhammad Najit Sukemi
- Google Scholar : Muhammad Najit Sukemi

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BEc., MEc. (UKM)

PhD. (UUM)

My research interest is focused on the environmental economics and issues of environmental regulation. This field of research required detail understanding a collection of many laws and regulations aimed at protecting the environment from harmful actions. Issues of compliance with environmental regulations revolve around industry behavior, the effect of compliance with performance and costs at the level of firm or country level. Understanding of these issues will give input to the creation of a more realistic natural policy in the future. Other research interests I have explored in the past few years were the economic valuation particularly for the non-marketed environmental goods and services. Ecosystem in general and the benefits that human gain from the ecosystems are my research interests.

Economics
Environmental Economics
Environmental regulation, Economic Valuation

- The East Asian Association of Environmental and Resource Economics (EAAERE)
- Malaysian Economics Environmental Association (MEEA)

- The Economy and Environment Program for Southeast Asia (EEPSEA)

- Scopus ID : 56049204800
- Researchgate : Mohd Nasir Nawawi
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

B.A (IIUM) — M.A., PhD. (UKM)

BA (Hons.) (UM) — MA (Leiden) — PhD. (UoA)

RESEARCH CONTRIBUTION & ACHIEVEMENT

A. Nazilah is a senior lecturer at the School of Social and Economic Development, University Malaysia Terengganu. Dr. Nazilah has expertise in psychology, social psychology and has teaching experience in various psychology courses such as introduction to psychology, testing and measurement, industrial and organizational psychology, quantitative research and others. Her research, publication, consultation and knowledge transfer focuses on prosocial behavior, instrumentation, industrial and organizational psychology and behavioral assessment.

Malaysian politics and institutions, political history and public policy.
Special Research Interests | Current
- Community development
- Governance
- Parliament

Beside Malaysia's politics and institutions, I have expertise in the socio- economic development of the coastal and island territory with a particular focus on the community development policy-making and the ocean governance. I also combine my knowledge of politics and public policy together in my work as a consultant to the state, private and NGOs in Malaysia.

FIELD	Psychology	Political Science
EXPERTISE	Social psychology	Political Institutions Public Policy Political History
SPECIALIZATION	Prosocial behaviour	

PROFESSIONAL MEMBERSHIP

- Malaysian Psychological Association (PSIMA)
- Malaysian Social Science Association

NETWORKING & RESEARCH COLLABORATION

- University Kebangsaan Malaysia, Malaysia
- University Sultan Zainal Abidin, Malaysia
- East Coast Economic Region Development Council, Malaysia

PUBLICATION

- Scopus ID : 56381610800
- Researchgate : Ali Nazilah
- Google Scholar : A. Nazilah

- Scopus ID : 36932259700
- Researchgate :
- Google Scholar :

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BEc. (UUM) MEc. (UM) PhD. (UKM)

My research interest is focused on the household income and expenditures especially for the Muslims. This field of research required detail understanding of household lifestyle, resiliencies and sustainability livelihood. To deal with the unexpected economic situation, every household needs to know their financial stability in terms of income and expenditure, accordingly with Islamic way. Therefore, the concept of resilience in this context is very meaningful in order to satisfy their consumption and economic necessities, surviving with uncertainties and risks, lastly to respond with new opportunities and approaches. Other research interests I have explored in the past few years were the life satisfaction among the household whereby the main indicator can be elaborated as 'Sustainable Livelihood' (SL). SL will focusing on household strengths and capabilities with their surroundings by making links between the community, stakeholders and policy makers.

Economics
Development Economics
Household Income & Expenditure, Islamic Consumer Behaviour, Sustainable Livelihood & Resilience, Economics of Consumerism

- The Malaysian Consumer and Family Economics Association (MACFEA)
- Malaysian Economic Association

- Scopus ID : 55241192600
- Researchgate :
- Google Scholar :

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BA. (UM) MA. (UKM) PhD. (USM)

My research interest is focuses on the urban planning and management, and environmental management also. This field of research investigate of affordable housing, community housing, and sustainable urban communities for improving the urban environment and social quality of our homes and neighbourhoods. Recently, i am committed researching on the marine park and sustainable island development (Terengganu Master plan). Other research interests I have explored in the past few years were poverty study on the East Coast, Malaysia.

Urban Planning and Management
Housing, Environmental Management
Community Housing, Sustainable Urban Community, Honeycomb Housing, Neighbourhoods Ideal

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

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ROSELIZA MAT ALIPIAH
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EDUCATION

BSc., MSc., PhD. (UUM)

BEc., MEc. (UKM)

PhD. (York)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focused on leadership characteristic in response to implementing succession planning in public sector. An effort to tap the intellectual capacity of the workforce requires leaders to have a strongly definite sense of purpose, vision and strategic intent for the long term. At the same time, they need the ability to impart the sense of vision and purpose meaningfully to all in the organization. A plenty of emphasis must be placed on getting across the dream and mission of the establishment and seeing to it that they are empowered to hold them out in everything they do. Consequently, leadership characteristic seems to be relevant for the enhancement of subordinate career path.

My research expertise is focused on economic valuation particularly for the non-marketed environmental goods and services. Ecosystem in general and the benefits that human gain from the ecosystems are my research interests. Some of the ecosystems that I have been worked out are wetlands, small islands, coastal and marine, as well as tropical forest and lake ecosystems. I am interested in valuing the economic value of these ecosystems and investigating the relationship between the biotic and abiotic resources as well as the human interactions aspects. Most of research methods that been utilized are the non-market valuation approaches such as choice experiments, contingent valuation and a number of cost-based valuation approaches. My research contribution are estimating the real value of the local ecosystems; and facilitating the local policy makers by providing the data in order to achieve a sustainable management of our ecosystem.

FIELD
Public Policy

EXPERTISE
Public Management

SPECIALIZATION
Human Resources, Public Administration

FIELD
Economics

EXPERTISE
Natural Resource Economics

SPECIALIZATION
Ecosystem Service Valuation,
Ecological Resource Management

PROFESSIONAL MEMBERSHIP

- Persatuan Sains Sosial Malaysia

- The East Asian Association of Environmental and Resource Economics (EAAERE)
- Malaysian Economics Environmental Association (MEEA)

NETWORKING & RESEARCH COLLABORATION

- The Economy and Environment Program for Southeast Asia (EEPSEA)

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar :
- ERA Index : 22265139

- Scopus ID :
- Researchgate : Roseliza Aliff
- Google Scholar :

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BHsc. (IIUM) | MA (Leeds) | PhD. (La Trobe)

My research interest is focused on the political communication. This field of research allowed me to engage in many types of research involving political issues. I have been involving in several consultations and research projects focusing on political issues such as coastal community socio political development and also related to political communication in campaigning. Other research interest I have explored recently was on the development of the model of assessment parliamentarians in Malaysia. This research aims to develop indicators to assess parliamentarians in Malaysia as well as to analyse on the real role of parliamentarians in Malaysia.

Political Science
Political Communication
Social media, Parliamentarian, Policy Studies

- MASSA (Malaysian Social Science Association

- Scopus ID : 56609013000
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- Google Scholar :

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BEc. (Unijoyo) | MSc.(Unpad) | PhD. (UKM)

My research interest is focused on the financial economics characterized by a monetary activities and real economy. This is an interrelation of financial variables, such as prices, interest rates and shares, as opposed to those concerning the real economy. Research works are spurred by the issues on asset pricing (and investment theory), corporate finance, banking industry landscape on Basel III requirements and monetary policy competition. Islamic finance research related to the properties of muamalah contract and performance of financial asset, and asset pricing as well. This field of research required detail understanding of (ir)rational expectation theory, (in)efficiency market hypothesis and supported by methodology of time series, panel data and psychometric-behavioural finance.

Economics
Financial Economics
International Finance, Islamic Finance, Behavioural Finance

- Malaysian Finance Association (MFA)
- Islamic Economics Studies and Thoughts Centre (IESTC)
- Ikatan Sarjana Ekonomi Indonesia (ISEI)

- Universiti Kebangsaan Malaysia, Malaysia
- Universiti Tenaga, Malaysia
- Universitas Padjadjaran Bandung, Indonesia

- Scopus ID : 56725636000
- Researchgate : Suhal Kusairi
- Google Scholar : Suhal Kusairi

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

YULITA
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EDUCATION

	BA., PhD. (UM)
	BEc. (Hons) (UUM)
	MEc. (UM)
	PhD. (Queensland)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest includes job stress, organizational work climate (psychosocial safety climate and physical safety climate), leadership, health and safety at work, individual and team performance. I also interested in several advance statistical software such as Structural Equation Modelling (SEM AMOS), Hierarchical Linear Modelling (HLM) and MPlus. I have published several papers in ISI-outlet publications (Journal of Occupational Health Psychology and Safety Science) and international Springer publications, and also appointed as a reviewer for some local and international journals such as The International Journal of Human Resource Management (ISI-indexed), Industrial Health (Japan), Jurnal Muara Ilmu Sosial, Humaniora dan Seni (Indonesia), Asian Journal of Business and Accounting (University of Malaya), Journal of Administrative Science (Universiti Teknologi Mara). My Ph.D thesis has received a Distinction Thesis Award by the University of Malaya. Currently, I am working on several studies combining data from Indonesia and Malaysia using a multilevel diary (shortitudinal) and longitudinal study. I am committed to provide a better understanding on psychosocial work conditions in order to improve the quality of employees' health, safety and well-being, particularly by focusing on distinct levels of analyses of daily, individual, team and organization levels.

Financial innovation is a continuous process in the global financial markets, impacting the economy of a nation both at the micro and macro level. The products of financial innovation, their management, and impacts on the economy remain a research black box which I am particularly interested to explore. This area of research requires detail understanding of the mechanics of the innovated financial instruments, and reconciliation with established theories of corporate finance and governance. An innovative structured finance that my current research is focusing on is sukuk or Islamic bonds. In the course of opening the sukuk "black box", my research has incorporated insights from key industry players I met at conferences and connected on LinkedIn. Such a networking has been fruitful to my research in that I am able to contribute novel and robust findings to the related literature. My co-authors and I have provided empirical evidence that capital market imperfections breed such innovative products. Our ongoing research further attempts to unravel the question on the role of key issuance parties such as investment bankers and compliance advisors in ensuring the success of capital raising through sukuk. Ample understanding on the working structure of this structured finance opens avenues for future research on its impact on the banking sector, private sector investment and so forth.

FIELD	Psychology	Economics
EXPERTISE	Industrial and Organizational Psychology	Financial Economics
SPECIALIZATION	Health and Safety, Organizational Climate, Psychological Methodology	Capital Markets, Corporate Finance and Governance, Islamic Finance

PROFESSIONAL MEMBERSHIP

- Asia Pacific Academy for Psychosocial Factors at Work

- Accounting and Finance Association of Australia and New Zealand
- Malaysian Finance Association
- Persatuan Ekonometrik Malaysia

NETWORKING & RESEARCH COLLABORATION

- University of Malaya, Malaysia
- Universitas Tarumanagara, Indonesia

- Queensland University of Technology, Brisbane, Australia
- Prince Sultan University, Riyadh, Kingdom of Saudi Arabia
- University of New Orleans, Louisiana, United States
- University of Sydney, Sydney, Australia
- University of Malaya, Kuala Lumpur, Malaysia

PUBLICATION

- Scopus ID :
- Researchgate : Yulita Yulita
- Academia : Yulita Yulita

- Scopus ID : 57192421900
- Researchgate : Zairihan Abdul Halim
- Google Scholar : Zairihan Abdul Halim

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BSc. (UPM) | MA. (USM) | PhD. (UKM)

My research interest is focused on the urban and coastal cities issues in response to environmental changes. This field of research required detail understanding of urban ecology and socioeconomic specifically on urban space and land use. The field of urban study developed over the past century with limited reference to human impact upon ecological process. My research on coastal city seeks to understanding human-dominated ecosystem and finds solution on environmental issues. Most of the researches are related to urban sustainable development impact on human and environment. The uncontrolled development of coastal cities especially for settlement and tourist industries have changes the coastal environmental landscapes. Other research interests I have explored in the past few years were the local knowledge especially local heritages.

Geography
Urban Geography
Local Government, Urban Sustainable Development, Local Knowledge

- National Geographical Society of Malaysia
- Asean Local Knowledge Network

- South East Asia Research Centre, City University of Hong Kong
- World Wildlife Fund, Malaysia

- Scopus ID : 57197641133
- Researchgate : Zikri Muhammad
- Google Scholar : Zikri Muhammad

ZUHDA HUSAIN
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Dip. (UNISZA) | BSc. (UMT) | MSc. (UKM) | PhD. (USM)

My research interests focused on issues involve with the Rehabilitation counselling for People with Disabilities (PWDs). It's required a strong understanding on group counselling for special needs and how to work with the minorities. My key research interest areas include Rehabilitation Counselling for PWDs, Disability Management for PWDs by applying on group counselling process and Issues of Rehab Counselling for acquired disabilities. This area are complemented by a broad understanding with disability policy, rehabilitation practice and competencies as professional to be effective in rehabilitation setting. At the same time, I'm promoting Rehabilitation Counselling Module as a means to improve function, reduce disability and promote recovery in PWDs. Other Other research interests I have explored were the Drugs Addictions and Substance Abuse Counselling.

Counselling
Rehabilitation Counselling
Rehab for People With Disabilities, Drug Addiction, Group Counselling

- Lembaga Kaunselor Malaysia
- Persatuan Kaunseling Malaysia (PERKAMA)

- Member of Rehabilitation Counselling Community of Practice (Asia/Pacific)

- Scopus ID : 36760902700
- Researchgate : Zuhda Husain.
- Google Scholar : Z Husain

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

ZURAINI ANANG
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MOHD HANIFF MOHD TAHIR
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EDUCATION

BA. (Sh) (UM) MBA (UKM) PhD (Newcastle)	BEd. (Hons.) (Auckland) MEd., PhD. (UPSI)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on water management and economic valuation. Due to the increasing population and increasing use of water will put increasing pressure on global water resources. Approximately 50 percent of the worlds' population will be living in regions around the globe that are considered water crisis. Therefore, the study on determinants of water resources have to be conducted particularly on population, climate change, and pollution of river. These variables were the important variables that lead to water crisis and health problem. The fresh water only 3% which need to supply estimated 7 billion people. The awareness of the value of water need to educate through campaign and programme to use water wisely. Additionally, the linkages between water and sustainable development comprises social, economic and environment aspects. Human health, food and energy security, urbanization and industrial growth, as well as climate change are critical challenge areas where policies and actions at the core of sustainable development can be strengthened (or weakened) through water. These findings are useful for the policymaker and industrial to create the innovative method to manage the scare water resource with the sustainability manner.

I am a member of the English Language Learning Centre (ELC), Centre of Fundamental and Liberal Education (PPAL), Universiti Malaysia Terengganu. Currently, I am teaching English for Occupational Purposes, Academic Writing Skills and Public Speaking course to first, second, third and final year undergraduates. I am interested in materials design and development, interactive language teaching curriculum design, and language assessment related to ESL classroom. My research interest is focused on the effects of using the explicit method of vocabulary instructions on ESL students' vocabulary learning. I believe that exploring new emerging ideas and concepts for vocabulary learning will benefit ESL students in 21st-century education. This is aligned with the industry 4.0 initiative in the education system of Malaysia.

FIELD	Natural Resources	Education
EXPERTISE	Water & Energy	TESOL/TESL
SPECIALIZATION	Water Management, Economic Valuation	Second Language Acquisition, Explicit Method of Vocabulary Instruction, Vocabulary Learning, Quantitative Research

PROFESSIONAL MEMBERSHIP

- The East Asian Association of Environmental and Resource Economics (EAAERE)
- Malaysian Economics Environmental Association (MEEA)
- TESOL Asia
- Malaysia English Language Teaching Association

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar :
- Scopus ID : 57193085665
- ORC-ID : 0000-0002-5411-1000
- Researchgate : Mohd Haniff Mohd Tahir
- Google Scholar : Mohd Haniff Mohd Tahir
- Academia.edu : Mohd Haniff Mohd Tahir

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BA., MA. (USM)

PhD. (La Trobe)

I presently work as a senior lecturer of English Language Learning Centre, Centre of Fundamental and Liberal Education, Universiti Malaysia Terengganu (UMT). My key responsibility is teaching Academic Writing Skills Course to first and second-year undergraduates. Additionally, I am the Vice Principle of Residential College, Student Affairs and Alumni, Universiti Malaysia Terengganu. My concern is to lead the secondary learning centre of residential college by offering a variety of interesting informal learning programmes to UMT students. My research interests are teaching English in higher education, informal learning of English as a second language, online collaborative learning, and translation theory and practice. Another current research interest is on the potential for residential experiences of informal learning affordances and learning strategies among Malaysian university students. I believe that if learner-users are able to experience socially-driven residential outdoor learning experiences, their behaviour and actions of perceiving affordances and strategies for informal learning could be influenced in a positive way to support their lifelong learning.

Education
Higher Education
English as a second language teaching and learning, Online collaborative learning, Translation theory and practice

- Researchgate : che wan ida rahimah che wan ibrahim
- Google scholar : che wan ida rahimah che wan ibrahim
- Researcher ID : x-2349-2018
- Orcid : 0000-0002-4561-6461

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BA. Hons (Yarmouk)

MEd. (USM)

I earned my PhD in Education from the University of Malaya, Malaysia, specialising in learning environment. My research interests are in the areas of education, language learning environment, curriculum and linguistic. I am particularly interested in identifying when, where, why, and how language learning environment are realized. For instance, identify the level of language learning environment, attitude, satisfaction and achievement among students. I have investigated the influence of language learning environment to students' attitudes and satisfaction towards their achievement. I interested to examine the influence of language learning environment on attitude and student satisfaction. I also interested to examine the influence of students' attitude towards their satisfaction and the roles of attitude and satisfaction of students as the mediators of the relationship between language learning environment and students' achievement.This kind of research is important to individuals who work in fields related to education and language.

Education and Linguistics
Curriculum and Arabic Linguistics
Linguistic, Language learning environment

- International League of Islamic Literature

- Scopus ID :
- Researchgate :
- Google Scholar : Che Mohd Zaid Yusof

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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EDUCATION

BA. Hons (UKM)	BA. (Hons.) (Jambi)
MA. (UMS)	
PhD. (UM)	PhD. (UM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr. Hamdan Aziz had served for University Malaysia Terengganu (UMT) since 2012 as a Senior Lecturer in the Department of Nationhood and Civilization, Centre for Fundamental and Liberal Education. Prior to that, he had served in several schools in the state of Sabah and Terengganu as a teacher before joining the Institute of Teacher Education Malaysia (IPGM). Since then, he continued and involved himself actively in teaching, research, and postgraduate supervision. He published articles, book chapters and books related to his field of expertise. Currently, he has successfully supervised 1 Ph.D. student and 1 for the second supervisor for Master students in the field of History and Civilization. 9 books and more than 20 journal articles have been published to this date. In recognition of his contribution to the university and communities, he was invited to be the commentator on newspapers related to Malaysia's political scenario, especially in Terengganu. In addition to his professional contribution, he has also been involved in community services as a teacher in mosques and suraus in Terengganu and Kelantan with teaching credential awarded by Council of The Religion of Islam and Malay Custom, Terengganu (MAIDAM) and Council of The Religion of Islam and Malay Custom, Kelantan (MAIK). Currently, he also as Deputy Chairman in Malaysian Historical Society for Terengganu Branch.

Aisyah Dollah@Abdullah was born in Besut, Terengganu in 1984. She graduated from IAIN Sultan Taha Saifuddin Jambi, Indonesia (2005) with BTi. (Hons) Usuluddin. Later, she received her PhD in Islamic Study (al-Qur'an) at University Malaya in 2015. Her blooming interest in research began early in her Master class in 2007. She continued a research project for her Master on a project title 'The Contribution of Ahmad Ali Abu Bakar in collecting Hadith *Da'if* (weak) and *Mawdu'* (fabricated, forged) in Malaysia'. Then she converts from Master to PhD with a new title 'The methodology of *ta'wil* al-Qur'an between two scholars in the field of al-Qur'an, al-Tabari (M : 923) and al-Maturidi (M : 944).

FIELD	History	Islamic Study
EXPERTISE	Malaysian History	Al-Quran
SPECIALIZATION	Malay Manuscript, Southeast Asian Civilization	Islamic Civilisation&Asia Civilisation, Personality Of Ulul Albab, I'jaz al-Qur'an

PROFESSIONAL MEMBERSHIP

- Malaysian Historical Society

NETWORKING & RESEARCH COLLABORATION

- Terengganu State Museum
- National Archives of Malaysia
- National Centre for Malay Manuscripts
- Department of al-Qur'an& al-Hadith, Faculty of Usuluddin, University of Malaya
- Maahad Tahfiz al-Aqsa, Taman Malindo, Jalan Kebun, Shah Alam, Selangor
- Universitl Malaysia Terengganu

PUBLICATION

- Scopus ID : 57201885548
- Researchgate :
- Google Scholar : Hamdan Aziz
- Scopus ID : 57202860706
- Researchgate : Aisyah Bt Dollah@Abdullah
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BSc., MSc., PhD. (UKM)

My research interest is focused on the management and performing arts. Field of study the understanding of management methods and performing arts including theatre, dance and music. In addition field of study the understanding of the Malay Literature was also given in the investigation.

Management and Performing Arts
Management and Performing Arts, Malay Literature
Management and Performing Arts, Malay Literature

- ASWARA
- Jabatan Kebudayaan dan Kesenian Negara
- Muzium Negeri
- Universiti Malaya
- Universiti Kebangsaan Malaysia

- Universiti Malaya
- Universiti Kebangsaan Malaysia

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BSc., MSc. (UPM)

PhD. (UKM)

My research interest is focused on digital communications such as facebook, whatsapp and social media and its impact on families, teens and children.

Communication
Human communication

Family communication, Cyberbullying, Interpersonal relationship

- Malaysia Finance Association (MFA)
- Malaysian Consumer and Family Economics Association (MACFEA)
- World Economics Association (WEA)

- Malaysia Finance Association (MFA)
- Malaysian Consumer and Family Economics Association (MACFEA)
- World Economics Association (WEA)

- Scopus ID :
- Researchgate : Che_Hasniza_Che_Noh.
- Google Scholar : che hasniza che noh

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

FIRDAUS KHAIRI ABDUL KADIR
Dr.

AZZA JAUHAR AHMAD TAJUDDIN
Dr.

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EDUCATION

BA. (Hons.) (Al Azhar)
MSc., PhD. (UMT)

BEd. (Edinburgh)
MEd. TESL (UKM)
PhD. (Nottingham)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Dr. Firdaus Khairi Abdul Kadir, (Ph.D) was born in the state of Terengganu Darul Iman and graduated from secondary school at Sultan Zainal Abidin, Religous High School, Kuala Terengganu. Obtained a Diploma in Arabic Language and Literature at Sultan Zainal Abidin Religious College (KUSZA) at Terengganu in 1995. I furthered studies at Al-Azhar University, Egypt and obtained Bachelor's degree in the field of Islamic Studies and Arabic in 1998. After serving several years in Terengganu Islamic Foundation, I was pursued my Master's degree and Ph.D at University of Malaysia, Terengganu in Philosophy and Civilization. I was graduated in Master of Science in 2010 dan Doctor of Philosophy in 2014. I am currently a senior lecturer in the Department of Nationhood and Civilization, Centre for Fundamental and Liberal Education, Universiti of Malaysia, Terengganu (UMT). Prior to that, I had served in several schools and departments under Terengganu Islamic Foundation (YIT), since 1998 until 2014. Then, I continued my service at University of Malaysia, Terengganu (UMT), since 2014 until now. In University administration, I was appointed as a Director for Sultan Mahmud's Islamic Center (PISM) from August 2015 until July 2018. In addition, I am actively involved in the presentation of papers, writing and publishing. My research interest is focused on the Islamic studies, civilization, religios deviation and Islamic science.

I am currently the Director of English Language Learning Center, Center of Fundamental and Liberal Education, Universiti Malaysia Terengganu. My responsibilities include teaching intercultural communication in the Global Understanding Course, which uses Internet technology to connect UMT students with students from a consortium of international universities. Additionally, I am also teaching English for Occupational Purposes course to third and final year undergraduates. My current spheres of interest in research are teaching English in higher education, English language communication for workplace, inculcating English in STEM, program evaluation, employability, intercultural communication, qualitative research, needs analysis as well as using CAQDAS in research, mainly ATLAS.ti. I am committed to apply the results of my research in the real world context. Other research interests I am currently exploring is the English Ecosystem in Higher Education in Malaysia, particularly, formal and informal Malaysia English Assessments (MEA 1 and MEA 2).

FIELD
Islamic Philosophy and Civilization

EXPERTISE
Religious Deviation

SPECIALIZATION
Heresy and Superstition, Islamic Weltanschauung, Islamic Science.

Education

Higher Education

Professional Communication, Workplace English, Intercultural, Qualitative Research

PROFESSIONAL MEMBERSHIP

- Qualitative Research Association Malaysia
- Malaysia English Language Teaching Association

NETWORKING & RESEARCH COLLABORATION

- UNISZA
- Juara Travel and Tours Bhd.
- Majlis Agama Islam dan Adat Melayu Terengganu (MAIDAM)
- Yayasan Islam Terengganu (YIT)
- East Carolina University, USA
- University of Nottingham, UK and Malaysia
- Universidad Latina de America, Mexico
- Shaanxi Normal University, Xi'an, China

PUBLICATION

Scopus ID : 56712539700
Orkid ID : https://orcid.org/0000-0003-2709-8434
Google Scholar : firdaus khairi abdul kadir
Researcher ID : 58580

Scopus ID :
Researchgate : Azza Jauhar Ahmad Tajuddin
Google Scholar :

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BA. (North Texas)

PhD. (UM)

Samsiah Abdul-Hamid is passionate about teaching and encouraging reading habit and interest in all English language learners. She is currently teaching English to graduating students from all degree programmes and her focus is on training students to communicate confidently in English, to discover their positive and marketable skills and qualities, and to learn to look at issues critically. She is very keen on all types of reading programmes and has recognised it as the key contributor to acquiring proficiency in a second or foreign language. She has conducted a few reading projects with primary schools in Kuala Terengganu under University Social Responsibility programmes. In addition to reading and occupational English, she is deeply interested in the teaching of English grammar, in particular the English tenses and aspects. She has developed and in the process of obtaining a copyright for her own unique grammar teaching technique called tense-o-gram. With a team of four members, she is currently designing fun grammar board games for pre intermediate EFL learners. She holds a bachelor and master's degree in TESL and education from University of North Texas, USA and a PhD from the University of Malaya, Kuala Lumpur. Her research interest includes second/foreign language reading, reading strategies, metacognition, language teaching and learning, WTR and WTC, and metacognition.

Applied Linguistics

English as a Second/Foreign language

Education, Teaching and Learning, Reading/ writing in a second language, Reading strategies, Metacognition, Willingness to Communicate/Read in a Second/Foreign language

- Asian TEFL

- Scopus ID : 57192989226
- Researchgate : Samsiah Abdul-Hamid
- Google Scholar : SA Hamid; S Abdul-Hamid
- Orcid ID: 0000-0002-0347-0070

RADHIAH ISMAIL
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B.L.L (Majoring in Spanish, UM) M.M.L.S (UM)

I earned my PhD in Linguistics from the University of Valladolid, Spain, specialising in pragmatics. My research interests are in the areas of speech act, linguistic politeness and cross-cultural pragmatics. I am particularly interested in identifying when, where, why, and how speech acts are realized. For instance, examining the settings where communication occurs to identify the kinds of speech acts people use within the setting. I have investigated the realization of a particular speech acts in order to identify and categorize the utterances and grammatical patterns that are common to those speech acts. I also interested in comparing linguistic politeness strategies used by different languages, through the study of contrastive analysis of verbal politeness in Malay and Spanish in minimizing face threats while implementing the face-threatening acts, such as refusal, request and so on. This kind of research is important to individuals who work in fields related to communication and education. It is particularly useful for teachers and students of foreign languages, as research in cross-cultural pragmatics based on speech act theory has shown that there are differences in the ways that individuals from different cultures attempting to achieve similar goals use language. By studying the speech acts that are common to a culture, a second language learner can improve his or her ability to communicate in that culture, thus, reduce the potential for misunderstandings between cultures.

Linguistics

Pragmatics

Speech Act, Linguistic Politeness, Cross-Cultural Pragmatics

- Association of Spanish Language Teachers and Students in Malaysia (APELEM)

- Scopus ID : 57193276352
- Researchgate :
- Google Scholar : Dr Radhiah Ismail

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NAJIHAH ABDUL MUTALIB
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HAILAN SALAMUN
Dr.

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EDUCATION

BA. Hons., MA. (UM)
PhD. (UKM)

BA. (IIUM)
SPI. (UKM)
PhD. (UM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interests focus on Islamic Studies included Islamic Civilisation, Muslim Society and Culture. I am also interested in Islamic Epistemology which I have explored this field in the past few years. Besides that, I have involved in many community project in Sarawak State within 15 years I am working at Bintulu, Sarawak before I am transferred to Terengganu. Currently, I am working with community project especially related with education in Terengganu.

Hailan Salamun, (Dr.) was born in the state of Selangor Darul Ehsan and graduated from secondary school at Tengku Ampuan Jamaah High School, Shah Alam. Obtained a degree at International Islamic University, Gombak in the field of Islamic Revealed Knowledge and Heritage. I furthered studies at the professional level to obtain a Diploma in Education. After serving several years in school, especially at the secondary school level, I was pursued my Master's degree in Dakwah and Leadership at Universiti Kebangsaan Malaysia, Bangi. I was graduated a Doctor of Philosophy in Leadership and Principalship at University of Malaya (UM) in 2010. I am currently a senior lecturer in the Department of Nationhood and Civilization, Centre for Fundamental and Liberal Education, Universiti Malaysia Terengganu. Prior to that, I had served in several schools, the Teacher Education Institute (IPG), and also the University of Malaya. In addition, I am actively involved in the presentation of papers, writing and publishing. My research interest is focused on the Islamic leadership and civilization. This field of research required detail understanding of Islamic teaching and the development of research in leadership. Other research interests I have explored in the past few years were the politics of Malay community and also mosque leadership.

FIELD	Islamic Studies	Islamic civilization
EXPERTISE	Islamic Civilisation, Society and Culture	Islamic Leadership and Education
SPECIALIZATION	Islamic Epistemology, Muslim Community	Leadership, Rabbani leadership, Islamic Civilization

PROFESSIONAL MEMBERSHIP

- Malaysian Institute of Management

NETWORKING & RESEARCH COLLABORATION

- Universiti Sains Malaysia (USM)
- Majlis Dakwah Negara (MDN) Negeri Terengganu

PUBLICATION

- Scopus ID : 57202851123
- Orcid ID : 0000-0002-7260-9574
- ResearcherID : W-9199-2018
- Google Scholar : Najihah Abdul Mutalib
- Researchgate : Najihah Abdul Mutalib

- Scopus ID : 56267560800
- Researchgate : Hailan Salamun.
- Google Scholar : H Salamun

ABDUL HANIS EMBONG
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BA. (Hons.) (Jordan) | MA. (UKM) | PhD. (USM)

Abdul Hanis Bin Embong (Ph.D) was born in Kuantan General Hospital in Kuantan in 1986. Early education at Kuantan and Terengganu schools. Continuing middle school education in Arabic and Tahfiz al-Qur'an stream at Maahad Tahfiz al-Quran State of Terengganu (MTANT), Padang Midin, Kuala Terengganu in 2002 and successfully obtained Syahadah Tahfiz al-Qur'an, Certificate of Education Malaysia (SPM) and the Malaysian Higher Certificate of Religion (STAM-Mumtaz) in 2005. He furthered his bachelor's degree in Fiqh Wa Usul in Al Al-Bayt University, Mafraq, Jordan (2016-2010) and obtained a Bachelor's Degree Honors in 2010. In 2012, he pursued a Master's degree in Shariah at the Faculty of Islamic Studies, Universiti Kebangsaan Malaysia (UKM) under the sponsorship of Universiti Sains Islam Malaysia (USIM) scholarship and earned a Master of Syariah Degree in 2014. He also he had served in USIM, UNISZA, Terengganu PTPL College and the Religious Affairs Department of Terengganu (JHEAT) as Religious Officer between 2014 and 2016. Later, he continued his PhD at Center for Islamic Development Management Studies (ISDEV) at Universiti Sains Malaysia (USM) and obtained a Doctorate in Doctor of Philosophy in 2017 in Islamic Research Methodology. He is currently a Lecturer in Nationhood and Civilization Department, Center for Fundamental and Liberal Education. He is currently active in research in Ulul Albab, Fiqh, Usul Fiqh, Exegesis (tafseer) Methods, Islamic Research Methods and Quran & Tahfiz Studies (memorizing al-Quran). Besides developing some academic linkages related to his field of expertise, he has also been involved in community services as a religious instructor/speaker, mosque management committee in the state of Terengganu. Recently, Dr Hanis has involved and participated in developing the first Al-Quran Studio in Terengganu, offering al-Quran classes for community. The studio uses the latest audio visual technology and enable children to recite the Quran easily through an audio system that could control and guide the students without the presence of a teacher or parents.

Islamic Studies

Islamic Jurisprudence, Islamic Philosophy and Civilization, Quranic Research

Syariah - *Fiqh*, Exegesis Methods, Islamic Research Methodology

- Credentials Teaching – Majlis Agama Islam dan Adat Istiadat Melayu Terengganu (MAIDAM)
- Certificate of Syarie Lawyer – Mahkamah Syarie Kelantan

- Jabatan Hal Ehwal Agama Terengganu (JHEAT)
- Majlis Kebajikan dan Pelajaran Besut (MKPB)
- Yayasan As-Sofa, Negeri Sembilan
- Yayasan Restu, Kuala Lumpur

- Scopus ID : 57202850640
- Researchgate : Abdul Hanis Embong
- Google Scholar : Abdul Hanis Embong
- Orcid ID : orcid.org/0000-0002-1795-1000

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BSc. (IIUM) | MSc. (UITM) | PhD. (USQ)

My research interest is focused on the intercultural communication and human communication as well as environmental communication. This field of research required detail understanding of culture and communication, the communication issues across the globe as well as the roles of communication in highlighting the environmental issues. Being involve in research and teaching, I'm passionate to actively encourage my students to participate for the mobility program in order to experience the intercultural aspect in the real environment. Their experience abroad hence become part of my research. Other research interests I have explored were the intercultural communication contribution in the tourism industry. This research focus on the community based project to develop and enhance the tourism package at the site in turtle conservation by involving the community as a volunteers. The knowledge transfer in term of communication aspect were shared with the community to enhance their communication skills in public speaking as well as handling the tourist from various cultural background, locally and globally. I had also involve as Co-Researcher for the Project of Program T-Help di Negeri Terengganu to look into their communication skills and the communication pattern among the T-Help and the school administrators. I am committed to share the knowledge as well as involve in any projects which related to the research interest.

Humanities & Communication

Communication

Intercultural communication, Human Communication, Environmental Communication

- Mobile Learning Association of Malaysia

- Yayasan Terengganu, Terengganu
- Jabatan Pendidikan Negeri Terengganu, Terengganu

- Scopus ID : 57195513961
- Researchgate :
- Google Scholar : Isma Rosila Ismail

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

KASYFULLAH ABD KADIR
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NURUL AIN CHUA
Dr.

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	kasyfullah.kadir@umt.edu.my

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+(017) 968 5986
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EDUCATION

BA. (Hons.) (Jordan)	MA. (UM)	PhD. (USM)

BSc (UKM)	MSc. (OUM)	PhD. (UMT)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Kasyfullah Abd Kadir graduated from Al-Al Bayt University, Jordan, in the field of Arabic and Literature in 1999. In 2000, he furthered his study at the professional level at Maktab Perguruan Islam (MPI), Bangi, Selangor, to obtain a Diploma in Education (Arabic). After serving for several years as a teacher at the secondary school, he pursued a Master's degree in Modern Language Studies (Arabic) at Universiti Malaya, Kuala Lumpur. Kasyfullah Abd Kadir obtained his PhD in Translation Studies at University Science Malaysia (USM) in 2018. He is currently a lecturer at the Department of Nationhood and Civilization, Centre for Fundamental and Liberal Education, Universiti Malaysia Terengganu (UMT). He involved in the presentation of papers, writing and publishing. His research interest is focusing on Quranic and translation studies. Besides developing some academic linkages related to his field of expertise, he has also been involved in community services as a religious instructor/speaker, mosque management committee in the state of Terengganu.

My research interest is focused on the teaching and learning (Mandarin) in enhancing students' learning engagement and motivation. This field of research required detail understanding of human's learning especially theory and approach to teaching and learning. Teaching and learning are unique processes, and the understanding of it helps practitioners to improve instructional skills besides produce sense making learning. Teaching and learning style and approach are dynamic and should suit students' learning preferences. The current development of advanced technology needs to take into account in the instructional process for the possible and practical contribution.

FIELD	Language & Translation Studies	Education
EXPERTISE	Arabic & Translation Studies, Quranic Research, Islamic Philosophy and Civilization	Modern Language (Mandarin)
SPECIALIZATION	Arabic & Translation Studies	Teaching and Learning
PROFESSIONAL MEMBERSHIP	• Credentials Teaching – Majlis Agama Islam dan Adat Istiadat Melayu Terengganu (MAIDAM)	• Malaysian Association of Modern Languages: Mymla (in process)
NETWORKING & RESEARCH COLLABORATION	• Jabatan Hal Ehwal Agama Terengganu (JHEAT)	• University Brunei Darussalam, Brunei. • University Sultan Zainal Abidin, Terengganu.
PUBLICATION	• Scopus ID : 57204594033 • Researchgate : • Google Scholar :	• Scopus ID : Nurul Ain Chua • Researchgate : Nurul Ain Chua • Google Scholar : Nurul Ain Chua

RAIHANA ROMLY
Dr.

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BSc. TESL (UTM)

MEd. TESL & PhD. (UKM)

I am currently a senior lecturer of English Language Learning Center, Center of Fundamental and Liberal Education, Universiti Malaysia Terengganu. Currently, I am teaching Academic Writing Skills and Public Speaking course to first and second year undergraduates. I am interested in materials design and development, using technology in the classroom, interactive language teaching curriculum design, and language assessment related to ESL classroom. My research interest is focused on non-formal language learning activities for ESL learners and usage of technology in self-determined learning (heutagogy). I believe that there are new emerging ideas and concepts on teaching and learning that will benefit ESL students in 21st-century education. These areas are my main interest in doing research as I believe with new applications, it will be easier for ESL instructors to be both innovative and interactive and it will offer new options for ongoing formative, culminating summative and alternative assessments.

Education
Higher Education
Academic Writing, Language Games, Reading, Quantitative Research

- Scopus ID : 55834985700
- Researchgate : Raihana Romly
- Google Scholar : Raihana Romly

ROSWATI ABDUL RASHID
Dr.

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roswati@umt.edu.my

Dip. (Saitama)

BA. (Ibaraki)

MA. (UM)

PhD. (UPM)

My research interest is focused primarily on the use of Japanese language in tourism. This field of research requires a deep and detail understanding of sociolinguistics nature of tourism. Pursuing in this field of research is mainly to identifying the usage of language of tourism, discussing the points of convergence and divergence between the language of tourism and other forms of communication. Examining the verbal and visual techniques employed by the language of tourism aspects in order to draw a comprehensive and appropriate communication behaviour. The current development of advanced technology needs to take into account in the instructional process for the possible and practical contribution. Thus, these researches provide the keys to a greater understanding of tourist needs, tourist satisfactions, references to hospitality providers and government policies.

Applied Linguistics
Modern Language (Japanese)
Discourse Analisis

- Malaysia Language Japanese Instructors Society (MAJLIS)

- University Brunei Darussalam, Brunei.
- University Putra Malaysia
- Universiti Sains Islam Malaysia
- Rikkyo University, Japan

- Scopus ID : 56287552100
- ResearchID : Rashid, Roswati A
- Google Scholar : Roswati AR

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

FATIMAH SHAHMAN

HANIF HANAN

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EDUCATION

BAcc. (UiTM)
MAcc. (Glasgow)

Dip., BSc. (hons.), MSc. (UiTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Mdm. Fatimah Shahman is a senior lecturer at School of Business and Maritime Management, University Malaysia Terengganu. She obtained her first degree from University Technology MARA in 1986. Since then, she pursued her career in academics in UITM. In 1993, she went to the UK for her master degree in accounting. She joined UMT (was formerly known as UPM Terengganu) in 1999. From there on, she led accounting program until 2006. She teaches financial accounting and taxation. Being almost 30 years in academic, she is passionate about students' well-being and their achievement. Her research interest is on accounting education.

My research interest is focused on the tourism destination image and branding. The main research interest is in the areas of tourism destination image and branding including the influence of culture and heritage elements in making the new image of tourism destination and also the effect of current technology in marketing influencing the image of tourism destination. Conducting this research has expanded great knowledge on the tourism industry especially knowing the current trend and demand by each generation that creating the image of the tourism destination. This provide the keys to understand and explore the demand of the generation and knowing expectation of them during travelling to the tourism destination. Currently my research focus is on the measuring the image of the tourism destination among the early stage of generation Z.

FIELD
Accounting

Management

EXPERTISE
Taxation, Financial Accounting, Social and Environmental Accounting

Culture and Heritage, Tourism Planning and Development

SPECIALIZATION
Accounting Education

Destination image

PROFESSIONAL MEMBERSHIP
- The Malaysian Institute of Certified Public Accountants

NETWORKING & RESEARCH COLLABORATION
- Universiti Teknologi MARA
- Universiti Putra Malaysia

PUBLICATION

Scopus ID :
Researchgate :
Google Scholar :

Scopus ID :
Researchgate :
Google Scholar :

JUNAIDAH ABD KARIM

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LL.B. (Hons.)(Kent)

LL.M. (UKM)

My research interest is focused on the employee's right to be heard prior to dismissal. It covers the procedural right to fairness of the employee prior to dismissal in both the public and private sector employment in Malaysia and the evaluation on how far the application of the right accords with the Sharia especially the Islamic principle of justice.

Law
Commercial and Labour Law
Dismissal

- Scopus ID : 46161331300
- Researchgate :
- Google Scholar : Junaidah Abd Karim

MADZLI HARUN

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Dip. (ICM, England)

B.A. (Hons) (DMU)

MSc. (RGU)

Officials very active and tend to cooperate within national, international and external organisations, especially in international affairs in accordance with the academic background that he held in policy matters and international law geared international maritime affairs and legislation, international relations and negotiation; as well as international trade policy and law. In terms of expertise, official are directly involved in various international issues such as the Organisation of Developing Eight Economic Cooperation (D-8), the Indian Ocean Rim Association (IORA), ASEAN Maritime Forum and Extended, team of Malaysia Maritime Policy and Legislation, Regional Economic Cooperation Partnership (RCEP) and the Transpacific Partnership Agreement (TPPA). Currently official is working closely to formulate National Maritime Policy (Ministry of Transport). Accordingly, officials have also produced works of academic writing as well as technical reported and publishing on the trading blocs and multilateral. It has also raised the Officials involved in research, publication and innovation activities within respective expertise in niche area concerned. Officials have also been entrusted by the D-8 Secretariat, Istanbul, Turkey to formulated D-8 Global Vision and subsequently ratified by all D-8 governments commissioners member states to ratify the D-8 Global Vision. Officials also actively working within Ministry of International Trade and Industry, Ministry of Foreign Affairs and Ministry of Transport as a Think Tank for the government especially in formulated a national policy and legislation. The result of his efforts, D-8 Global Vision was adopted by eight countries of D-8 member states. This is the highest recognition received by him in internationally and soared UMT name in the field of international trade policy, international relations and cross continent.

International Policy and Law
International Trade Policy and Law
International and Maritime Affairs, Shipping and Maritime Policy and Law, International Negotiation, International Trade Blocs, Custom Regulations and Cross Borders

- Chartered Institute of Logistic and Transport of Malaysia (CILTM)
- UNCTAD Virtual Institute

- The Organisation of Developing Eight Economic Cooperation, Istanbul, Turkey
- Ministry of International Trade and Industry of Malaysia
- Ministry of Foreign Affairs of Malaysia
- Ministry of Transport Malaysia
- Centre of ASEAN Studies, Universiteit van Antwerpen, Belgium

- Scopus ID : Madzli Harun
- Researchgate : Madzli Harun
- Google Scholar : Madzli Harun

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MIMI AIZREEN HAMZAH

MOHD SHARIFUDDIN AHMAD

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EDUCATION

BSc (Hons) (Salford)
Msc (UUM)
LLB. (IIUM)
LLM. (UiTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the financial market and specifically in equity risk premium predictability in Malaysia. Attempts to predict stock market return or the equity risk premium has a long tradition in finance. I am interested to know whether the ability of ratios valuations as predictors of equity risk premium is still acceptable, especially in Malaysia. I found that among all the ratio valuations, dividend yield and price-earnings ratio are significant predictive variables to predict the equity risk premium. I am also interested to find the determinants of equity risk premium among industries in Malaysia and across certain emerging markets. This is motivated by the significance of understanding among the local and foreign investors, who wish to invest and to receive the potential gain in Malaysia. For instance, Malaysia becomes one of the investment destinations for many overseas investors and large multinational corporations.

My research interest is focused on concept of warranty in Law of Marine Insurance. The research requires deep understanding and knowledge on merchant activities and practices from the beginning of its existence. The research is conducted base on legislation and legal precedent derived from decided cases. The research also requires comprehensive analysis on legal maxim and taking into consideration the opinions of legal experts such as judges and legal practitioner.

FIELD
Finance

EXPERTISE
Financial Management

SPECIALIZATION
Equity risk premium

Law

Maritime Law

Marine Insurance Warranty

PROFESSIONAL MEMBERSHIP

- BAR Malaysia
- CMILT

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID :
- Researchgate : Mimi Hamzah
- Google Scholar : MA Hamzah

- Scopus ID :
- Researchgate :
- Google Scholar :

MOHD RAHIMI ABDUL HALIM

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Dip. (UiTM) BSc. (UTPM) MSc. (UTM)

As a new researcher in tourism field, my research interest is focusing on rural tourism that involve destination service quality performance and management, community based ecotourism initiative, sustainable tourism concept and application, SME's and others socio-economic factors. Rural tourism research contribute significantly to economic performance by eradicate poverty issues, improvement of income and employment among local community and sustaining the nature environment without compromising the local community and visitor benefits. Rural tourism has received numerous numbers of research globally and still required new findings to extend the knowledge and looking for new approach and application to meet the objective of sustaining the nature environment and the community benefits from tourist activities. Different tourist destination characteristic may contribute to different findings of research in terms of demographic, service performance, issues and challenges, policies, methodologies and suggestion for new approach and step to overcome the issues.

Tourism
Rural Tourism
Destination Management and Service Quality

- Tourism Educators Association of Malaysia (TEAM)

- Scopus ID :
- Researchgate :
- Google Scholar :

MOHD RIZAL ISMAIL

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PQE CIT (ITM), MBa. (UiTM)

My research interest is focused on Humanitarian aid logistic in the scenario of flood relief effort, a profound need to better understand flood logistics effort to help reduce loss of lives and property destruction. Currents works are mostly with final year student thesis project which mostly unpublished. Other research interest are in short sea shipping in light of the emergence of mega carriers and how they give impact to smaller port and small shipping operations.

Management-Transport
Maritime Transport and logistics
Humanitarian Aid Logistics

- Chartered Institute of Logistics and Transport, Charted Member since 2002

- Scopus ID :
- Researchgate :
- Google Scholar :

CONTACT
EDUCATION
RESEARCH CONTRIBUTION & ACHIEVEMENT
FIELD EXPERTISE SPECIALIZATION
PROFESSIONAL MEMBERSHIP
NETWORKING & RESEARCH COLLABORATION
PUBLICATION

ROHILA AWANG

SHAHRIMAN ABDUL HAMID

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+(014) 297 1287

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+(609) 668 4237

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EDUCATION

PQE CIT (ITM), MBa. (UiTM)

Dip. & BSc. (UiTM)

MSc.(UTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

Rohila Awang is a lecturer at the School of Maritime Business and Management, Universiti Malaysia Terengganu. She holds a Bachelor of Accounting and Master of Accounting from Universiti Teknologi MARA (UiTM). She has taught Islamic Financial Management, Taxation, Business Accounting and Managerial Finance. Her research interests include Islamic Accounting, Accounting for zakat, Accountability and Public Sector Accounting. She has published her research works in a few journals locally and internationally. She also presented papers at several seminars and conferences.

My main focus in this tourism programme are mostly related to safety and recreational tourism. Most of my teaching experience is focusing on the safety procedure, practical which involving marine and terrestrial outdoor recreation. Outdoor recreation is one of the booming industries nowadays, therefore, by applying the safety procedure will enhance and support public in enjoying the nature. Besides, with my experience working in tourism industry allow me to share the knowledge and experience to the students about the nature working in the industry. This would include the skills of ticketing reservations, tourism package development thus the marketing as well. Thus I believe it would generate better understanding while teaching.

FIELD

Accounting

Outdoor recreation

EXPERTISE

Public Sector Accounting

Outdoor recreation

SPECIALIZATION

Accountability, Public Private PArtnerships

Terrestrial activities, Marine activities, Reservation & Ticketing

PROFESSIONAL MEMBERSHIP

- Persatuan Jurulatih Rekreasi Malaysia
- Tourism Educators Association of Malaysia

NETWORKING & RESEARCH COLLABORATION

- Politeknik Merlimau Melaka
- Universiti Teknologi Mara
- Universiti Teknologi Malaysia
- Asian Overland Services Tour & Travels
- Kembara Station Tour & Travels

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar :

- Scopus ID :
- Researchgate :
- Google Scholar :

TENGKU FARRAH MAIMUNAH

+(609) 668 4863

tgfarrah@umt.edu.my

B.Acc (Hons) (UiTM)

MSc. (IIUM)

My research interest explores the complex relationship between human rights and business and how does it been disclosed in annual reports. Specifically, this field of research need a multiple disciplinary of knowledge in governance, policies, law, management and accounting to understand the human rights disclosure in response to social expectations. Corporations are now, linked to various global dilemmas such as environmental, sustainability and human rights. Therefore, there has been an emergence of new global governance mechanisms, in the form of multistakeholder initiatives which contribute to the new political function of corporations. I am committed to advocate for effective mechanism in promoting human rights protection and respect from all individuals, states and "organs of society".

Financial Reporting

Corporate Disclosures

Corporate Social Responsibility, Human Rights Reporting

- Scopus ID : 55565251000
- Researchgate :
- Google Scholar :

WAN MARIAM WAN ABDULLAH

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wmariam@umt.edu.my

LL.B, M.C.L (IIUM)

My research interest is focused on the factors affecting decision making in maritime boundary delimitation negotiation especially on historical factors. Different weight of historical evidence results to various decision making style. A close investigation on how historical factors give right of maritime boundary to parties of dispute significantly affect how decision making is to be made in a negotiation. Other research area that I have interest is marine environmental law and its relationship with port. When port embarked on environmentally managerial and operational compliance, inadequacy of regulatory framework as compared to environmental management system (EMS) has indirect effect on the effectiveness of port environmental policy.

Law

Maritime Law

Maritime Boundary, Carriage of goods by sea
Marine Environmental Law

- Malaysian Bar
- The Chartered Institute of Logistics and Transport

- Scopus ID :
- Researchgate : W.A. Mariam
- Google Scholar : W.A. Mariam

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHD RADHI ABU SHAHIM

ROSHANIM KORIS

CONTACT

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EDUCATION

DPLI (UIAM), BAc. (UMT), MSc. (UPSI)	B.Econ (Hons), M. Econ (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the psychology and counselling of multicultural in cognitive behavioural therapy. My degree research are Transsexual Male Self-Esteem Among Campus Communities while master's degree is Self-Concept Effeminate Man Through Exploration Of Projective Drawing Technique. This study is intended to understand the effeminate man self-concept through projective technique drawing exploration of House, Tree, Person (HTP). The analysis is based on the interpretation of symbols of the structure and shape of the House, Tree, Person (HTP). This study has implications in the self-concept exploration of effeminate man to identify own potential to develop and is able to overcome weakness that exist in them.

My research interest is focused on the development economics. This field of research allows me to engage in many types of research involving development issues. I have been involving in several consultations and research projects focusing on coastal community economic issues such as poverty, job creation in Small and Medium Enterprises, Islamic economics issues such as the roles of zakat in development economics, and the latest is cost of illness and healthcare utilization among the elderly di Malaysia.

FIELD	Psychology & Counselling	Economics
EXPERTISE	Projective Drawing, Cognitive Behavioural Therapy	Development
SPECIALIZATION	Self-concept, Transsexual	Health, Population, Cost Analysis

PROFESSIONAL MEMBERSHIP

- Malaysia Board of Counsellor
- Malaysia Counsellor Association (PERKAMA)
- Syarie Counsellor Association
- MACFEA (The Malaysian Consumer and Family Economics Association)

NETWORKING & RESEARCH COLLABORATION

- Sultan Idris Education University Malaysia
- Majlis Amanah Rakyat (MARA)
- Agensi Anti-Dadah Kebangsaan

PUBLICATION

- Scopus ID :
- Researchgate :
- Google Scholar :
- Scopus ID : 46461313600
- Researchgate : Roshanim Koris
- Google Scholar :

ROZITA MUHAMAD NAWI

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BA. (UM)

MA. (UKM)

My research interest is focused on the Environmental Management and i am passionate of researching fiheries community and island. My previous research focused of the Profiling and Social Innovation: Mersing Fisheries Community and Terengganu Master Plan of Marine Park and Sustainable Island.

Environmental Management and Geography

SYAHRIN SAID

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+(609) 668 3434
syahrin@umt.edu.my

BEc. (Hons.) (UM)

MA. (UKM)

My research interests focus on Malaysian politics, community development and social studies. I am currently working on project about Federal-State (Terengganu) relations in federalism context.

Political Science
Malaysian Politics
Ethnic Relations, Malaysian Studies

- Universiti Teknologi Petronas (UTP)

- Scopus ID : 57200126386
- Researchgate : Syahrin Said
- Google Scholar : Syahrin Said

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

ROSYATI ABDUL RASHID

AHMAD RUSDI ABDULLAH

CONTACT

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rosyati@umt.edu.my	a.rusdi@umt.edu.my

EDUCATION

BA. (Essex)	BSc. (OCU)
MA. TESL (IOWA)	MSc. (UKM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

I'm currently a senior lecturer, and the Deputy Director of English Language Learning Centre (ELC), Centre for Fundamental & Liberal Education (PPAL), Universiti Malaysia Terengganu (UMT). I received a bachelor's degree in Language Studies (English) from University of Essex, United Kingdom and earned my master's degree in English (TESL/Linguistics) at Iowa State University, U.S.A. My areas of research interest include second language learning, critical thinking, engagement, resilience, memorization particularly Quran memorization, neurolinguistics, online assessments, teacher training, and youth volunteerism. I am a passionate advocate and practitioner of the genre-based approach because I strongly believe that the approach has great potential in the teaching and learning of English language. I have used the approach to base my ESL classroom teaching, teacher training workshops, intellectual talks and a book on English for careers which I have co-authored with a colleague. I always seek for opportunities to use my expertise as an educator to serve UMT, the community, and nation.

My research focuses on entrepreneur and tourism marketing.

FIELD	Education	Enterpreneurship and MIS
EXPERTISE	Higher Education	Entreprenuership
SPECIALIZATION	ESL learning, Language testing, Critical thinking, Quantitative Research	Marketing

PROFESSIONAL MEMBERSHIP

- Malaysia English Language Teaching Association
- Malaysian Consumer and Family Economics Association MACFEA)

NETWORKING & RESEARCH COLLABORATION

- Empower ECER (Program Pembangunan Modal Insan
- Yayasan Terengganu

PUBLICATION

- Scopus ID :
- Researchgate : Rosyati Abdul Rashid
- Google Scholar :

- Scopus ID : 55548668100
- Researchgate :
- Google Scholar :

RUZAINI SULAIMAN

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BA. Hons., MA., PhD. (UKM)

Ruzaini Sulaiman @ Abd. Rahim obtained her degree in Islamic Studies (Leadership & Dakwah) as well as her Master and Phd. in History from Universiti Kebangsaan Malaysia. Currently, she is a senior lecturer at Department of Nationhood and Civilization, Centre for Fundamental and Liberal Education, Universiti Malaysia Terengganu. She had experiences in teaching subjects like Ethnic Relations as well as Da'i and Society. Her research interest focuses on social history particularly about crimes and ethnics in Malaysia.

History
Social History
Ethnic Relations, Criminology & History

- Universiti Sultan Zainal Abidin (UniSZA)

- Scopus ID : 57202856207
- Researcher ID : X-7978-2018
- Orcid ID : 0000-0003-1657-1249

SHARON LIM SUI-LIN

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+(019) 939 6977
+(609) 668 3434
sharon@umt.edu.my

BEc. (Hons.) (UM)

BEc. (UPM)

Sharon Lim obtained her B.Sc. (Hons) TESL from UNIMAS, and M.Sc. TESL from UPM. She is involved in English proficiency courses at the English Language Learning Centre (ELC), Centre for Fundamental and Liberal Education (PPAL), UMT. Currently, she is the English for Academic Communication 1 course coordinator – coordinating course work, tasks, online assessments, as well as non-formal learning tasks. Together with her colleagues, her present research area are related to game-based English language learning to aid English as Second Language (ESL) or English as a Foreign Language (EFL) learners in developing their vocabulary as well as their grasp on the English tense and aspect.

Applied Linguistics
English Language Teaching and Learning
TESL

- Asia TEFL

- Malaysia Finance Association (MFA)
- Malaysian Consumer and Family Economics Association (MACFEA)
- World Economics Association (WEA)

- RESEARCHID : U-8807-2018
- ORCID : 0000-0002-9236-2070

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHD YUSOFF MOHAMAD

MOHAMMAD MAHDI ABAS

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mahdi@umt.edu.my

EDUCATION

Dip. Counselling (UPSI)
BEd. Hons., MSc. (UPM)

BA., MA. (UM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research interest is focused on the Islamic counselling. This field of research required detail understanding of Islamic counselling task, function and practice. Islamic Counselling is a form of counselling which incorporates spirituality into the therapeutic process. Until now there has been little material existing on the subject with no one settled upon definition of Islamic counselling and what it encompasses. Conducting this research in the field are cumbersome since there has also been a rapidly increasing population of Muslims in Western societies with a corresponding rise in need of psychological and counselling services. Therefore, a religious approach is one of the matters emphasized in counselling today. Many researchers find that there is a need to apply the religious element in counselling because religion is important in a client's life. My academic journey permits that my study will contribute towards raising awareness of the importance of counselling in general and non-directive counselling in particular. I hope that it will be seen to have demonstrated the effectiveness of encouraging Muslim clients to work from within and learn new methods of building a healthy relationship with oneself and with others, particularly via the group counselling method. Most significantly, this research has directed to the conception of my own description of the Islamic counselling method for Muslim clients, and this study validates that what I have done has worked well with the majority of my clients.

My research interest is focused on film, broadcasting and media studies.

FIELD
Guidance & Counseling

EXPERTISE
Group Counseling

SPECIALIZATION
Career counseling

FIELD
Communication

EXPERTISE
Film

SPECIALIZATION
Film editing, Mass communication, Interpersonal relationship

PROFESSIONAL MEMBERSHIP

- Registration Counselor under Malaysian Counselor Board
- Lifelong Members of Malaysian Counselor Association (PERKAMA)

NETWORKING & RESEARCH COLLABORATION

- Universiti Kebangsaan Malaysia,Malaysia
- Universiti Putra Malaysia,Malaysia

PUBLICATION

- Scopus ID :
- Researchgate : Mohd Yusoff Mohamad
- Google Scholar :

- Scopus ID :
- Researchgate : Mohammad Mahdi Abas
- Google Scholar : mahdi abas

MUHAMAD KHAIRUL ZAKARIA

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muhamad.khairul@umt.edu.my

Dip. TESL (UniSZA) BEd. (UPM) MHsc. (IIUM)

I serve as a lecturer in the English Language Learning Center (ELC), Center of Fundamental and Liberal Education, Universiti Malaysia Terengganu (UMT), Malaysia. I obtained my Master of Human Science in Applied Linguistics at International Islamic University Malaysia in 2016. I did my First Degree (B.Ed) in TESL in 2011 at Universiti Putra Malaysia. I earned my Diploma in TESL from Universiti Sultan Zainal Abidin in 2007. My areas of interests are TESL and Applied Linguistics. Like all faculty, I endeavour to balance my teaching, research, and service commitments at levels commensurate with my position, which is 60% teaching, 10% research, and 30% service (i.e., knowledge transfer, self-development and academic leadership), and prompts me of a constructive experience I had shortly after arriving at UMT. I enquired a senior faculty colleague how I might best balance my new duties. He grinned and advised that instead of pursuing those percentages, it might be more realistic to target "100% teaching, 100% research, and 100% service." Like utmost of us, I would not have it any other way. In summary, my research, teaching, and service obligations balance on a foundation of enthusiasm for my discipline, openness to innovative ideas, and a commitment to development of others. I have sought to integrate these commitments in such a way as to help make my contribution to the university environment valuable to students, colleagues, and society.

Education

Applied Linguistics, TESL (Teaching English as a Second Language)

Applied Linguistics, TESL (Teaching English as a Second Language)

- University Putra Malaysia
- The International Islamic University Malaysia
- Universiti Sultan Zainal Abidin

- Scopus ID : 0000-0001-8112-3616
- Researchgate :
- Google Scholar :

ISMAR LIZA MAHANI ISMAIL

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BHSc., MHSc (IIUM)

Ismar Liza Mahani binti Ismail obtained her degree and master of Human Sciences majoring in History and Civilization from International Islamic University of Malaysia. Currently, she worked as lecturer at Department of Nationhood and Civilization, Centre for Fundamental and Liberal Education, Universiti Malaysia Terengganu. She had teaching experiences on subjects like Ethnic Relations, Malaysian Nationhood and Malaysian Studies (for international students) as well as Introduction to World Culture. Her research interest focus on socio economic as well socio cultural of Malaysian history and society.

History and Civilization

Malaysian History

Ethnic Relations, Malaysian Studies

- Scopus ID : 56940600800
- Researchgate :
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE

SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

NORLIDAWAHI WAHAB

NURHAZLIYANA HANAFI

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+(609) 668 3434
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+(013) 466 8539
nurhazliyana@umt.edu.my

EDUCATION

BAcc., MAcc. (UKM)

BA., MA. (USM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focused on accounting and costing practices among small and medium scale entrepreneurs.

My research interest is focused on geography of services and entrepreneurship. This includes research interest the role of research, development and commercialization activities in universities towards knowledge and innovation in urban development. My research interests also focus on the areas of action research, entrepreneurship, higher education system, social innovation and social studies.

FIELD

Accounting, and Entrepreneurship

Geography & Management

EXPERTISE

Management Accounting

Geography of Services, Management, Entrepreneurship

SPECIALIZATION

Costing / Entrepreneurship

Social Science Study

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Scopus ID : 57191746230
- Research ID : X-7976-2008
- Orcid ID : 0000-0001-7793-6163

- Scopus ID :
- Researcher ID : O-6757-2018
- Google Scholar :

WAN MUHAMMAD SAEFULLAH WAN NORHAIDI

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saef.wan@umt.edu.my

BA. Hons.(Yarmouk)

MA. (Queen Mary)

I teach at the Centre of Fundamental and Liberal Education, Universiti Malaysia Terengganu. My responsibilities include teaching two main proficiency courses for undergraduates: Academic Writing Skills and English for Occupational Purposes. My research interest includes comparative literature, cultural studies and the arts, education and philosophy. I am looking for opportunities to collaborate with researchers in the areas mentioned.

Comp lit
Comp lit, culture, philosophy
Literature, culture

WAN ZULKIFLI WAN KASSIM

+(609) 668 3230
+(019) 940 5768

wanzul@umt.edu.my

BA. (UMD)

MESL (UM)

I am one of the members from the English Language Learning Centre (ELC), Centre of Fundamental and Liberal Education, Universiti Malaysia Terengganu. My responsibilities include teaching two main proficiency courses for undergraduates: English for Occupational Purposes and Public Speaking. My research interest includes special language education, computer-assisted language learning and teaching English in higher education. I am looking for opportunities to collaborate with those interested particularly in the areas mentioned.

Education
TESL, Applied Linguistics
TESL/CALL

Scopus ID :
Researchgate : Saef_Wan
Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

ZAHARUL NIZAL ZABIDI

MUHAMMAD ZUHAILI SUHAIMI

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EDUCATION

BEc. (Hons.) (UM)
BEc. (UPM)

BHSc., MSc. (USM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focuses on applied economics and efficiency analysis.

I am a graduate from Universiti Sains Malaysia, Kubang Kerian with degree in Bachelor of Health Science (Honours) (Exercise and Sports Science) and Master of Science (Sports Science). Since, I am also a graduate from the research university; I was widely exposed to the procedures in conducting a proper scientific research. Till now, I have presented the finding of my study in the national and international conferences and journals. My research interest is focused on the exercise physiology especially related with heat stress and free radicals. This field of research required detail understanding of human physiology and its responses to stimuli. The environmental factors likes heat stress could affect human physiology and impaired exercise performance.

FIELD
Economics

EXPERTISE
Applied Economics

SPECIALIZATION
Financial, Efficiency

FIELD
Sports Science

EXPERTISE
Exercise Physiology, Physical Fitness

SPECIALIZATION
Environmental Exercise, Physiology, Health-Related Fitness

PROFESSIONAL MEMBERSHIP

- Malaysia Finance Association (MFA)
- Malaysian Consumer and Family Economics Association (MACFEA)
- World Economics Association (WEA)

- USM Sports Science Unit Alumni

NETWORKING & RESEARCH COLLABORATION

- Universiti Sains Malaysia, Malaysia
- Universiti Pertahanan Nasional Malaysia, Malaysia
- Universiti Pendidikan Sultan Idris, Malaysia
- Universiti Teknologi MARA (UiTM)

PUBLICATION

- Scopus ID : 56940600800
- Researchgate :
- Google Scholar :

- Scopus ID :
- Researchgate :
- Google Scholar :

NOORFATHEHAH ABDULLAH SANI

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noorfathehah.sani@umt.du.my

BA (IIUM)

MA (UKM)

My research interest is focused on a wide range of cultural policy and the management of cultural heritage, such as gallery and museum histories, monuments and public art, cultural heritage, creative industries, cultural development, culture-led urban development and cultural values, especially in ASEAN countries. The overarching argument in my work generally is that cultural 'pump-priming' of any kind must be clear-eyed not only about its economic and cultural effects but more importantly its social and political effects. Within this research interest of management and development, it is the way in which cultural heritage is valued and how historic environments are affected by different kinds of measures and policies are dealt with. Urban planning, renovation, new construction, legislation, trade with objects and international perspectives on cultural heritage are identified. Other research interests I am interested to be the strengthening links between management planning at World Heritage sites and the research community. The research interest seeks to promote the integration of research and practice through the development of a research strategy linked to the management needs of World Heritage site in ASEAN countries.

Social Sciences and Humanities
Cultural Heritage
Intangible Heritage, Arts Management, Theater, Performing Arts

- The Heritage of Malaysia Trust

- Research ID : P-3445-2018
- Researchgate : Fathehah Abdullah Sani.
- Google Scholar : Noorfathehah bt Abdullah Sani

MAZLINA AHMAD

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BSc. (UKM)

MSc. (UM)

PhD. (UMT)

My research interest is focused on the teaching and learning (Malay Language) as a second language. This field of research also focuses on the Higher Order Thinking Skills (HOTS) through Malay language.

Applied Linguistic
Malay Language, Language Acquisition
Malay Language

- Persatuan Kebajikan Staf Akademik Universiti Malaysia Terengganu (PASAK)

- University Brunei Darussalam, Brunei
- Yunnan Minzu University, Kunming, China

- Scorpus ID :
- Researchgate : mazlinaahmad
- Google Scholar :

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHAMAD PIRDAUS YUSOH

AHMAD NIZA SYAZRE ABDULLAH

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+(609) 668 3309
+(6011) 3740 6369
+(609) 668 3434
syazre@umt.edu.my

EDUCATION

BSc. (Resource Economics), MSc. (Forest Economics)

B.Ed. (Hons.) TESL (UiTM)

MA. TESOL (Queensland)

RESEARCH CONTRIBUTION & ACHIEVEMENT

His recent research focus on personel finance and entrepreneurships. He also involve in research about social carrying capacity in tourism and my previous research is about dive tourism at Pangkor Island. This research include research interest in social studies.

I am one of the members from the English Language Learning Centre (ELC), Centre of Fundamental and Liberal Education, Universiti Malaysia Terengganu. My responsibilities include teaching two main proficiency courses for undergraduates: Academic Writing Skills and Public Speaking. My research interest includes assessment for learning (AfL), oral assessment in ESL classroom, corrective feedback and teaching English in higher education. I am looking for opportunities to collaborate with those interested particularly in the areas mentioned.

FIELD	Personel Finance and Entrepreneurship	Education
EXPERTISE	Personel Finance, Entrepreneurship and Tourism	TESL, Applied Linguistics
SPECIALIZATION	Personel finance/ Entrepreneurship, Tourism	TESL/TESOL

PROFESSIONAL MEMBERSHIP

- TESOL Asia
- Malaysia English Language Teaching Association

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

- Researchgate : Mohamad Pirdaus bin Yusoh
- Google Scholar : Mohamad Pirdaus bin Yusoh
- Researcher ID : R-3062-2018
- ORCID ID : 0000-0002-0037-2029

MUHAMMAD AFIFUDDIN
PI REMLI

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BA.Hons. MBa. (UniMAP)

My early career in higher education and research begin as entrepreneurship lecturer in Universiti Malaysia Kelantan (UMK) for 2 years and now being offered a position as lecturer in Universiti Malaysia Terengganu (UMT). Since then, I had been involved in teaching and numerous research grants undertaking responsibility as co-researchers. I'm teaching and learning as much as I could in entrepreneurship-related subject. My research focused on management and entrepreneurship among small and medium scale entrepreneurs

Management & Entrepreneurship
Business & Management, Operation Management
Management / Entrepreneurship

AKBAR ALI
ABD KADIR

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BEc. MEc. (Analytical Economics & Public Policy) (UKM)

Entrepreneurship &
Economic Analysis (Development and Economic Modelling)

Entrepreneurship & Economics
Entrepreneurship
Entrepreneurship, Education

CONTACT

EDUCATION

RESEARCH CONTRIBUTION & ACHIEVEMENT

FIELD EXPERTISE SPECIALIZATION

PROFESSIONAL MEMBERSHIP

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

MOHD AZMI MUHAMMED IDRIS

BORHANUDIN MOHD YUSOF

CONTACT

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+(609) 668 3797
+(017) 852 3383
+(609) 668 3434
borhan@umt.edu.my

EDUCATION

BSc. (Resource Economics), MSc. (Forest Economics)

BSc. Info. Sys. Mgt. , M.Sc. Info. Studies (UiTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research area focused mainly on the economic analysis of environmental services and natural resource utilization. The economic valuation techniques are applied to determine the economic value of resource's goods and services (use and non-use values). Apart from that, the application of benefit-cost analysis (BCA) is used to quantify costs and benefits of a decision, program or project and compare with their alternatives in a same time period to determine the best option for unbiased economic evaluation. Both practices are important to provide clear and better decision making, mostly for the land-use options, to the policy makers and stakeholders from the perspective of environmental and ecological economics. Other research interest that I'm currently focused is the economics of sustainability. Studies on the sustainable consumption and production by the communities and industries are important as one of the economic factors for measuring the achievement of sustainable development in a country.

My research interest is entrepreneurship and focus on island tourism.

FIELD

Economics

Entrepreneurship

EXPERTISE

Environmental and Natural Resource Economics

Island tourism

SPECIALIZATION

Economic valuation of forest resources, Economic assessment of natural resources utilization, Economic sustainability

Scuba diving

PROFESSIONAL MEMBERSHIP

- The International Society for Ecological Economics
- Association of Environmental and Resource Economists
- Malaysian Economic Association
- Malaysian Consumer and Family Economics Association
- Instructor, Scuba Diving International (SDI)

NETWORKING & RESEARCH COLLABORATION

- International Tropical Timber Organisation (ITTO)
- MARDITECH, Mardi, Serdang
- Malaysian Herbal Corporation (MHC)
- Universiti Putra Malaysia

PUBLICATION

- ORCID ID : 0000-0001-5001-8098
- Researchgate : Mohd Azmi Muhammed Idris
- Google Scholar : Mohd Azmi Muhammed Idris/ Mohd Azmi, M.I
- Scopus ID : 24729600900
- Google Scholar : Borhanudin Mohd Yusof

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EDUCATION

BSc. (Hons), MSc. Sport Science (UiTM)

RESEARCH CONTRIBUTION & ACHIEVEMENT

My research focused on applied psychology with a particular focus on personal and contextual factors related to high performance, health behaviours and well-being in contexts such as sport, education and the workplace. Within this broad spectrum of research, I'm currently involved in several projects that span topics such as, mental toughness, mental skills, life skills development, physical activity, healthy lifestyle well-being, and stress.

FIELD EXPERTISE SPECIALIZATION

Social Sciences and Humanities, Sport Science

Sport & Exercise Psychology

Mental Skill, Behaviour, Mental Toughness, Physical Activity, Exercise Science, Personality

PROFESSIONAL MEMBERSHIP

- Malaysian Sport Psychology Conference

NETWORKING & RESEARCH COLLABORATION

PUBLICATION

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