

KAMARUZZAMAN BIN YUNUS



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
- Email address: kama@iium.edu.my

المؤهل العلمي

- Ph.D in Marine Geochemistry
- Master of Science in Oceanography (Chemical)
- Bachelor of Science in Science (Fishery)
- Diploma in Agriculture

مسؤوليات التدريس

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|---|---|
| ENVIRONMENTAL SCIENCE | 2014/2015 |
| ENVIRONMENTAL TOXICOLOGY | 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021 |
| ENVIRONMENTAL TOXICOLOGY/POLLUTION | 2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 |
| INSTRUMENTATION IN BIOTECHNOLOGY RESEARCH | 2007/2008 |
| MARINE POLLUTION | 2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2020/2021 |

المشاريع البحثية

In Progress

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| 2020 - Present | Development of Bio Compost Char |
| 2020 - Present | The Development of a Smart Aquafarming System for Fish and Vegetables |
| 2020 - Present | Healthy Lifestyle Modification Programme: Smoking Cessation |
| 2020 - Present | Healthy Lifestyle Modification Programme: Weight Reduction |
| 2020 - Present | The Effectiveness of EM Mudball in Remediating Balok River |

- 2020 - Present** Health Related Programs
- 2019 - Present** Estimating population parameters of depleting *Nemipterus furcosus* stock using modelling tools to develop management guidelines for their sustainable production in the Peninsular Malaysia
- 2019 - Present** Prototype for Smart Green Composting Machine (SMART COMP)
- 2019 - Present** Responses of chemical weathering towards estuarine system: A climate change effect
- 2019 - Present** Analysis of Blackwater Treatment of the Green Toilet System in Auto-City, Penang
- 2016 - Present** Spatial Variation Pattern and Behavior of Rare Earth Elements along East Coast Peninsular Malaysia Environment, Using Rocky Shore Bivalve and Sediment as Indicator
- 2016 - Present** Species Inventory and Genetic Diversity of Fishes in Kuantan River Basin
- 2016 - Present** Accumulation of rare earth elements (REEs) in *Pistia stratiotes* (water lettuce) and *Oreochromis niloticus* (tilapia) in REEs industrial wastewater system.
- 2016 - Present** ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (*Salacca zalacca*) Fruit, their Metabolic Demarcation and Antidiabetic Potential
- 2016 - Present** Species Diversity and Seasonal Distribution of Fishes and Water Quality in Tropical River, Pahang, Malaysia
- 2016 - Present** Conservation of Malaysian horseshoe crabs-A step for sustainable fishery practice
- 2015 - Present** Bacterial-Assisted Composting (BAC) of Food Waste
- 2015 - Present** Historical Changes of Radioactive and Heavy Elements in Kuantan Port, Pahang
- 2015 - Present** Captive Breeding and Induced Fertilization of Malaysian Horseshoe crab (*Tachypleus gigas*) for Sea Ranching and Future Artificial Sanctuary
- 2015 - Present** Influence of Carbon Dioxide at Supercritical Phase Separating the Omega 3 Fish Oil from Sardine Wastes following Shariah Compliant
- 2014 - Present** Development of In-Vitro Oxidative Potential Assessment Model for Indoor and Outdoor Airborne Particulate Matter (PM) within an Industrial Area
- 2013 - Present** Study on the Production and Characterization of Fish Collagen Nanoparticles (NPs) from Local Sources and Their Incorporation in Food System
- 2004 - Present** Functional Food and Nutraceuticals Research Unit (FFNRU)

Unknown - Present INVENTORY ON THE SPECIES COMPOSITION AND EXISTING METAL CONCENTRATION IN KUANTAN RIVER

Unknown - Present INVENTORY ON THE SPECIES COMPOSITION AND EXISTING METAL CONCENTRATION IN KUANTAN RIVER

Unknown - Present Assessing Microplastics Abundance in Kuantan River Water, Emphasis on Spatial Variation and Covid-19 Pandemic Environmental Effect

Completed

2016 - 2019 Accumulation of rare earth elements (REEs) in Pistia stratiotes (water lettuce) and Oreochromis niloticus (tilapia) in REEs industrial wastewater system.

2016 - 2017 Conservation of Malaysian horseshoe crabs-A step for sustainable fishery practice

2016 - 2018 ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential

2016 - 2018 Species Diversity and Seasonal Distribution of Fishes and Water Quality in Tropical River, Pahang, Malaysia

2016 - 2017 Enhancement of Pond Bottom Soil with Bottom Life forms to Minimise Effect of Climate Change on Marine Aquaculture Farm

2016 - 2018 Species Inventory and Genetic Diversity of Fishes in Kuantan River Basin

2016 - 2018 ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential

2016 - -1 Accumulation of rare earth elements (REEs) in Pistia stratiotes (water lettuce) and Oreochromis niloticus (tilapia) in REEs industrial wastewater system.

2016 - 2018 ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential

2015 - 2018 Captive Breeding and Induced Fertilization of Malaysian Horseshoe crab (Tachypleus gigas) for Sea Ranching and Future Artificial Sanctuary

2015 - 2018 Feeding Mechanism in Adult Tropical Horseshoe Crab

2015 - 2017 Influence of Carbon Dioxide at Supercritical Phase Separating the Omega 3 Fish Oil from Sardine Wastes following Shariah Compliant

2015 - 2020 Historical Changes of Radioactive and Heavy Elements in Kuantan Port, Pahang

2015 - 2017 Bacterial-Assisted Composting (BAC) of Food Waste

2015 - 2019 Isolation Of ?-Glucosidase Inhibitor and aroma from the Flesh of Salak (Salacca zalacca) Fruit and Their Metabolic Profiling on GC/MS.

2015 - 2016 The Effect of Monsoon on Fish Larval (Ichthyoplankton Stages) Assemblage Changes in Kuantan River

2015 - 2016 Impacts Assessment of Flood on Nutrients, Micro-communities and Fish Growth in the Kuantan River for a Proper Management

2014 - -1 Pear-review of Research

- 2014 - 2018** Development of In-Vitro Oxidative Potential Assessment Model for Indoor and Outdoor Airborne Particulate Matter (PM) within an Industrial Area
- 2014 - 2018** Indoor Air Quality in Urban Child Care Institution (Nurseries & Kindergarten): The Characterization of Particulate Matter (PM) and Its Relation to Airborne Enteric Microorganisms
- 2013 - 2017** Enhanced-Microbial Bioremediation of PCBs and Dioxins in Landfill Leachate Using *Burkholderia xenovorans* LB400 With Altered-sigma-54 Regulatory System
- 2013 - 2016** Study on the Contamination of Najas Mutawassitah in Fish and Water of Kuantan River
- 2013 - 2015** Studies of Rare Earth Elements (REEs) and Heavy Metals in Sediment and Benthic Organisms along Kuantan River, Pahang
- 2012 - 2014** Study on Spatio-temporal Variation of Scleractinian Coral Recruitment Towards Sustainable Coral Reef Conservation in Pulau Tioman and Balok, Pahang
- 2012 - 2016** Jackfruit (*Artocarpus Heterophyllus*) Leaf Powder as Potential Bioadsorbent for Wastewater Treatment
- 2012 - 2015** Study on Microencapsulation and Delivery of Fucoxanthin Derived from Malaysian Brown Seaweeds for Human Lung Cancer Treatment
- 2012 - 2016** Modelling of longitudinal changes in bacterial community structure towards physico chemical and environmental factors along the Pahang river
- 2011 - 2012** Heavy Metals on Marine Fishes and Sediment environment of Coastal Water Pahang and Gulf of Oman
- 2011 - 2014** Rare earth elements (REEs) and trace metals studies in rocky shore organisms, related to those in sediment along Peninsular Malaysia coastal waters
- 2011 - 2012** Diversity and Distribution of Plankton Communities in Kuantan, Pahang
- 2010 - 2013** Chemoenzymatic Conversion of w-fatty acids extracted from Malaysian Giant Snakehead and catfish
- 2010 - 2012** DNA Barcoding Of Horse Shoe Crab, *Carcinoscopius Rotundicauda* And *Tachypleus Gigas* From Coastal Water Malaysia
- 2010 - 2012** Determination of Toxic Elements in the Kuantan River Water, Pahang
- 2009 - 2010** Bioaccumulation of heavy metal in Mangrove Crabs and Mollusks of Penor and Kuantan river, Pahang
- 2009 - 2011** Site Selection of Nesting Ground and Ecophysiology of Horseshoe Crab *Carcinoscopius rotundicauda* and *Tachypleus gigas* from Pahang Coast
- 2008 - 2010** ?-fatty Acid Profiles of Mudskippers from Malaysian Mangrove and Intertidal Zones
- 2008 - 2011** Distribution of Heavy Metals and Their Pollution Effects on Fishes, Green Mussels and Sediments of Coastal Water Pahang, Langkawi Malaysia and Gulf of Oman
- 2008 - 2009** The Diversity and Distribution of Fishes in Pahang Estuary

- 2007 - 2010** Study on Microbial Ecology of the Coastal Water Langkawi
- 2007 - 2010** Assessment of Heavy Metals concentration in Marine Commercial fishes of Pahang Estuary
- 2007 - 2010** Sediment Accretion and Sediment Characteristics of Pahang Estuarine Mangrove
- 2007 - 2010** Geochemical and Sedimentological Characteristics Studies of Pahang Estuary, Malaysia
- 2006 - 2012** Studies on Mangrove in Pulau Toba, Langkawi
- Unknown - 2019** INVENTORY ON THE SPECIES COMPOSITION AND EXISTING METAL CONCENTRATION IN KUANTAN RIVER

المنشورات

Article

- 2020** [Quality air monitoring equipment: the review of air quality monitoring equipment.](#) International Journal of Advanced Science and Technology , 29 (9s) pp.1826-1835
- 2020** [Extraction and characterization of fatty acids from the leaves and stems of Clinacanthus nutans using supercritical carbon dioxide and Soxhlet method.](#) Natural Products Journal
- 2020** [Kamlet taft parameters: A tool to alternate the usage of hazardous solvent in pharmaceutical and chemical manufacturing/synthesis - A gateway towards green technology.](#) Analytical Chemistry Letter , 10 (5) pp.550-561
- 2020** [Longtail Tuna \(Thunnus tonggol\) consumption frequency in Terengganu, Malaysia.](#) Open Journal of Marine Science , 10 pp.141-148
- 2020** [Acute-lethal toxicity test on juvenile Oreochromis niloticus exposed to Piper betle extract under static exposure.](#) Ecofeminism and Climate Change , 1 (2) pp.79-87
- 2020** [A review on the accumulation of heavy metals in coastal sediment of Peninsular Malaysia.](#) Ecofeminism and Climate Change
- 2020** [Environmental forensic study: tracing of pollution sources using environmetric technique in Balok and Tunggak Rivers near Gebeng industrial area, Kuantan, Pahang, Malaysia.](#) Desalination and Water Treatment , 191 pp.118-125
- 2020** [Comparative analysis of chemical composition of some commercially important fishes with an emphasis on various Malaysian diets.](#) Open Chemistry , 18 (1) pp.1323-1333
- 2020** [Fractionation of rare earth elements in surface sediment of Peninsular Malaysia coastal waters.](#) Asian Journal of Chemistry , 33 (1) pp.166-170
- 2019** [Study of relationship between water quality parameters, selective heavy metals and radioactive elements content in rivers at Gebeng, Kuantan, Pahang, Malaysia.](#) Asian Journal of Chemistry , 31 (2) pp.433-437

- 2019** [Marine water quality index trend from eight-year study of Klang Estuary.](#) Bioscience Research , 16 (S1) pp.59-68
- 2019** [Imputation methods on daily PM10 data \(2010-15\).](#) Bioscience Research , 16 (S1) pp.306-310
- 2019** [Biological activities and extraction technologies of Pheonix dactylifera: a review..](#) The Natural Products Journal , 9 (1) pp.3-13
- 2019** [Particulate matter \(PM 2.5\) at construction site: a review.](#) International Journal of Recent Technology and Engineering (IJRTE) , 8 (1C2) pp.255-259
- 2019** [Composition and generation of Municipal Solid Waste \(MSW\) in Malaysia: Balakong City case study.](#) Herald NAMSCA , 2019 (1) pp.152-158
- 2019** [Acute-lethal toxicity \(LC50\) effect of terminalia catappa linn. Leaves extract on oreochromis niloticus \(Red nile tilapia\) juveniles under static toxicity exposure.](#) Oriental Journal of Chemistry , 35 (1) pp.270-274
- 2019** [Building a case for the conservation of Malaysian horseshoe crabs.](#) Fishmail , 27 ((May -December)) pp.15-18
- 2019** [A research on concentration and distribution of airborne particulate matter in Kuantan city.](#) International Journal of Recent Technology and Engineering , 8 (2S3) pp.288-292
- 2019** [Assessment of trace metals using chemometric analysis in Kuantan River, East Coast Malaysia.](#) Journal Clean WAS (JCleanWAS) , 3 (2) pp.1-4
- 2019** [Spermiogram of wild and captive Malaysian horseshoe crab \(Tachypleus gigas\) from Pantai Balok, Kuantan, Pahang, Malaysia =Spermiogram belangkas liar dan kurungan Malaysia \(Tachypleus gigas\) dari Pantai Balok, Kuantan, Pahang, Malaysia\).](#) Sains Malaysiana , 48 (2) pp.325-328
- 2019** [Elimination and kinetics of ammonium ions from waste water using by Zeolite \(NaY\) preparing from agriculture waste.](#) Bioscience Research , 16 (4) pp.3395-3412
- 2018** [Determination of selected heavy metals in airborne particles in industrial area: a baseline study.](#) Malaysian Journal of Fundamental and Applied Sciences , 14 (2 (April-June)) pp.251-256
- 2018** [Assessing indoor air quality using chemometric models.](#) Polish Journal of Environmental Studies , 27 (6) pp.2443-2450
- 2018** [Seasonal influences on the levels of particulate matter, Cd, Cr and Pb in Kuantan River, Pahang.](#) Oriental Journal of Chemistry , 34 (2) pp.813-819
- 2018** [Fish scales as a bioindicator of potential marine pollutants and carcinogens in Asian sea bass and red tilapia within the coastal waters of Pahang, Malaysia.](#) Journal of Coastal Research , Special Issue 82 Fall pp.120-125
- 2018** [An overview of radioisotope study in water pollution.](#) International Journal of Engineering & Technology , 7 (2.29) pp.882-886
- 2018** [An overview of radioisotopes study in water pollution.](#) International Journal of Engineering & Technology , 7 (2.29) pp.882-886

- 2018** [Selected heavy metals content in commercial fishes at different season landed at Fisheries Development Authority of Malaysia Complex \(LKIM\) Complex, Kuala Terengganu, Malaysia.](#) Journal of Sustainability Science and Management , 13 (Special Issue 5) pp.29-38
- 2018** [Ethical issues on using invertebrates in environmental and biomedical practices – a case study on living fossil horseshoe crab.](#) International Medical Journal Malaysia , 17 (Special Issue 2) pp.281-285
- 2018** [Ethical considerations in exploiting, culturing and killing fish towards animal rights in Islam.](#) The International Medical Journal Malaysia (IMJM) , 17 (Special issue 2) pp.287-293
- 2017** [Microencapsulation of fish oil using supercritical antisolvent process.](#) Journal of food and drug analysis , 25 (3) pp.654 -666
- 2017** [Metals contamination using Polymesoda Expansa \(Marsh Clam\) as bio-indicator in Kelantan river, Malaysia = Pencemaran logam di Sungai Kelantan, Malaysia menggunakan Polymesoda expansa \(Lokan\) sebagai penunjuk biologi.](#) Malaysian Journal of Analytical Sciences , 21 (3) pp.597 -604
- 2017** [A preliminary study of marine water quality status using principal component analysis at three selected mangrove estuaries in East Coast Peninsular Malaysia.](#) Malaysian Journal Fundamental and Applied Sciences , 13 (4) pp.764-768
- 2017** [Effect of differential feed on the molting success and survival of horseshoe crab trilobite \(tachypleus gigas \).](#) Malaysian applied biology , 46 (1) pp.21-25
- 2017** [Bio-monitoring selected heavy metal concentration in Nerita sp. collected from Tanjung lumpur mangrove forest..](#) Environment and Ecosystem science , 1 (1) pp.4-7
- 2017** [Community structure and post-monsoonal distribution of ichthyoplankton in Kuantan river, Malaysia.](#) Environment and Ecosystem Science , 1 (1) pp.1-3
- 2017** [Identification of bioactive compounds with GC-Q-TOF-MS in the extracts from clinacanthus nutans using subcritical carbon dioxide extraction.](#) Separation Science and Technology , 52 (5) pp.852-863
- 2017** [Phytochemical composition, biological activities and processing method of genus anisophyllea: a review.](#) The Natural Products Journal , 7 (3) pp.176-185
- 2017** [Cytotoxicity on MCF7 cell lines exposed to an extract of the jacalin from jackfruit seed.](#) Science Heritage Journal/Galeri Warisan Sains (GWS) , 1 (2) pp.16-18
- 2017** [Metal concentration at surface water using multivariate analysis and human health risk assessment.](#) Journal of Fundamental and Applied Sciences , 9 (2 (Special Issue)) pp.217-237
- 2017** [Air quality modelling using chemometric techniques.](#) Journal of Fundamental and Applied Sciences , 9 (2 (Special Issue)) pp.443-466
- 2017** [Spatial analysis of heavy metal in mangrove estuary at east coast peninsular Malaysia: a preliminary study.](#) Journal of Fundamental and Applied Sciences , 9 (2S) pp.680-697
- 2017** [Microencapsulation of fish oil using supercritical antisolvent process.](#) Journal of Food and Drug Analysis , 25 (3) pp.654-666

- 2017** [Spatial and temporal variation on distributions of dissolved and particulate arsenic and mercury in Sungai Kuantan, Pahang = Perbezaan temporal dan ruang bagi taburan logam arsenik dan merkuri terlarut dan berpartikel di Sungai Kuantan, Pahang.](#) Sains Malaysiana , 46 (3) pp.393-396
- 2017** [Rare earth elements behaviour at west coast of Peninsular Malaysia rocky shore ecosystem using saccostrea cucullata as bioindicator.](#) Asian Journal of Chemistry , 29 (10) pp.2211-2215
- 2016** [Trend of meiobenthos density and composition in Karah Island, South China Sea \(Corak Kepadatan dan Komposisi Meiobentos di Pulau Karah, Laut China Selatan\).](#) Sains Malaysiana , 45 (7) pp.1019-1024
- 2016** [Assessment on the bioavailability of rare earth elements in rocky shore organisms and their potential effects on human health.](#) The International Medical Journal of Malaysia , 15 (Supplement Issue) pp.104-104
- 2016** [Extraction of omega 3 fatty acids from sardine byproducts using supercritical carbon dioxide \(SC-CO₂\).](#) The International Medical Journal of Malaysia , 15 pp.112-112
- 2016** [Flooding impact on distribution of pathogenic bacteria in Pahang River.](#) The International Medical Journal of Malaysia , 15 (Supplement Issue) pp.11-11
- 2016** [Seasonal influences on the levels of particulate Cd, Cr and Pb in Kuantan River, Pahang.](#) The International Medical Journal of Malaysia , 15 (Supplement Issue) pp.103-103
- 2016** [Improving composting process by controlling aeration time.](#) International Journal of Applied Chemistry , 12 (1) pp.130-135
- 2016** [Preparation, characterization and in vitro release study of BSA-loaded double-walled glucose-poly\(lactide-co-glycolide\) microspheres.](#) Archives of Pharmacal Research , 39 (9) pp.1242-1256
- 2016** [Stereospermum fimbriatum as a potential source of phytochemicals: a review of stereospermum genus.](#) Current Pharmaceutical Biotechnology , 17 (12) pp.1024-1035
- 2016** [Coastal water quality of Tioman Island: effects of human activity and the distance from shoreline.](#) Desalination and Water Treatment , 57 (1) pp.83-87
- 2016** [Selection of the most significant variables of air pollutants using sensitivity analysis.](#) Journal of Testing and Evaluation , 44 (1) pp.376-384
- 2016** [Biosorption of Pb and Cu from aqueous solution using banana peel powder.](#) Desalination and Water Treatment , 57 (1) pp.303-314
- 2016** [Status of heavy metals concentrations in oysters \(Crassostrea sp.\) from Setiu wetlands, Terengganu, Malaysia = Status kepekatan logam berat dalam tiram \(Crassostrea sp.\) dari tanah bencah Setiu, Terengganu, Malaysia.](#) Sains Malaysiana , 45 (3) pp.417-424
- 2016** [Biomonitoring of heavy metals using intertidal mollusks in east Johor coastal waters = Biopemerhatian logam berat menggunakan moluska intertidal di perairan pantai Johor Timur.](#) Malaysian Journal of Analytical Sciences , 20 (3) pp.491-499

- 2016** [Mercury determination in biological organism in the estuary of Muar River, West Johor, Malaysia.](#) Oriental Journal of Chemistry , 32 (5) pp.2685-2691
- 2016** [An overview on rare earth management in Malaysia.](#) Journal of Malaysian Critical Metals , 1 pp.24-29
- 2016** [Universal reliance on LAL/TAL in bacterial endotoxin detection in drugs and parenteral – an ecological and economic perspective.](#) International Medical Journal of Malaysia , 15 (Supplement) pp.36
- 2015** [Meiobenthic community in vegetative areas at Sungai Pulai estuary, Johor, Malaysia.](#) Malayan Nature Journal , 67 (1) pp.1-14
- 2015** [Beach morphodynamics of different morphological setting along Teluk Chempedak to Kuala Pahang, Malaysia.](#) Jurnal Teknologi , 77 (25) pp.51-56
- 2015** [Pure cultivation and morphological studies of four chaetoceros taxa from the Coastal Waters of Pahang, Malaysia.](#) Sains Malaysiana , 44 (7) pp.947-955
- 2015** [Review on invitro amebocyte culture – a lesson learned from past.](#) Jurnal Teknologi , 77 (25) pp.171-176
- 2015** [Growth Profile and Fatty Acid Accumulation of Four Chaetoceros Taxa Isolated from Coastal Water of Pahang, Malaysia.](#) Sains Malaysiana , 44 (8) pp.1077-1084
- 2015** [Phosphoric acid activated carbon as borderline and soft metal ions scavenger.](#) Green Chemistry Letters and Reviews , 8 (2) pp.9-20
- 2015** [Geographical Information System \(GIS\) for relationship between dengue disease and climatic factors at Cheras, Malaysia = Perhubungan Antara Kes Denggi dan Faktor Iklim Menggunakan Sistem Maklumat Geografi di Cheras, Malaysia .](#) Malaysian Journal of Analytical Sciences (MJAS) , 19 (6) pp.1318-1326
- 2015** [Assessment on bacteria in the heavy metal bioremediation.](#) Malaysian Journal of Analytical Sciences (MJAS) , 19 (6) pp.1405-1414
- 2015** [Oil spill related heavy metal: a review = Logam berat berkaitan tumpahan minyak: satu ulasan.](#) Malaysian Journal of Analytical Sciences (MJAS) , 19 (6) pp.1348-1360
- 2015** [Heavy metal in fish: analysis and human health - a review.](#) Jurnal Teknologi , 77 (1) pp.61-69
- 2015** [Application of artificial neural network and response surface methodology for modelling of hydrogen production using nickel loaded zeolite.](#) Jurnal Teknologi , 77 (1) pp.109-118
- 2015** [Indoor air quality at higher institution's laboratory: a study on pre-symptoms, awareness and understanding among occupants.](#) Jurnal Teknologi , 77 (1) pp.95-100
- 2015** [Spatial analysis of the certain air pollutants using environmetric techniques.](#) Jurnal Teknologi , 75 (1) pp.241-249
- 2015** [Identification source of variation on regional impact of air quality pattern using chemometric.](#) Aerosol and Air Quality Research , 15 (4) pp.1545-1558

- 2015** [Bioactive compounds and advanced processing technology: Phaleria macrocarpa \(sheff.\) Boerl, a review.](#) Journal of Chemical Technology and Biotechnology , 90 (6) pp.981-991
- 2015** [Nerita chameleon as biomonitoring agent for Pb, Cd, Cu and Zn in Malaysian intertidal rocky shore environment.](#) Oriental Journal of Chemistry , 31 (2) pp.1013-1020
- 2015** [Hydrogen gas production from glycerol via steam reforming using nickel loaded zeolite catalyst.](#) Malaysian Journal of Analytical Sciences (MJAS) , 19 (5) pp.1043-1055
- 2015** [Bioactive compounds and advanced processing technology: Phaleria macrocarpa \(sheff.\) Boerl, a review.](#) Journal of Chemical Technology and Biotechnology pp.981-991
- 2015** [Spatial distribution trend of plankton in Sungai Pulai Estuary, the straits of Johor, Malaysia.](#) Sains Malaysiana , 44 (9) pp.1257-1262
- 2015** [Beach-face morphodynamics of different morphological setting along Teluk Chempedak to Kuala Pahang, Malaysia.](#) Jurnal Teknologi , 77 (25) pp.51-56
- 2015** [Source apportionment of air pollution: a case study in Malaysia.](#) Jurnal Teknologi , 72 (1) pp.83-88
- 2015** [Phytosterols and their extraction from various plant matrices using supercritical carbon dioxide: a review.](#) Journal of the Science of Food and Agriculture , 95 (7) pp.1385-1394
- 2015** [Review on in-vitro amebocyte culture-a lesson learned from past .](#) Jurnal Teknologi , 77 (25) pp.171-176
- 2015** [Indoor air quality at higher institution's laboratory: A study on presymptoms, awareness and understanding among occupants.](#) Jurnal Teknologi , 77 (1) pp.95-100
- 2015** [Spatial and temporal distribution of bacterial communities and heavy metals \(CR, CD AND PB\) composition in sediments along Pahang river, Malaysia.](#) Jurnal Teknologi , 77 (24) pp.71-76
- 2014** [A highly efficient activated carbon by chemical activation method for adsorption of paraquat \(toxin\).](#) Materials Science Forum , 773/74 pp.479-485
- 2014** [Quality of tuna fish oils extracted from processing the by-products of three species of neritic tuna using supercritical carbon dioxide .](#) Journal of Food Processing and Preservation
- 2014** [Distributions of dissolved toxic elements during seasonal variation in Kuantan river, Pahang, Malaysia.](#) Oriental Journal of Chemistry , 30 (2) pp.479-484
- 2014** [Trace metals in Thais clavigera along coastal waters of the East Coast of Peninsular Malaysia.](#) Sains Malaysiana , 43 (4) pp.529-534
- 2014** [Grain size and metallic trace element contents in sediments of Kemaman Coast, Terengganu, Malaysia, South China Sea.](#) Journal of Earth Science and Engineering , 4 pp.80-87

- 2014** [Modern breakthroughs in science: a pragmatic approach \(Review article\).](#) Revelation and Science , 4 (1) pp.27-36
- 2014** [Relative growth of harpiosquilla raphidea \(Fabricius, 1798\) \(crustacea: stomatopoda\) male and female populations.](#) Sains Malaysiana , 43 (9) pp.1305-1310
- 2014** [Preparation of activated carbon by chemical activation and its in vitro adsorption efficacy tests for paraquat.](#) Wulfenia Journal , 21 (6) pp.237-242
- 2014** [Carotenoid contents in anoxygenic phototrophic purple bacteria, Marichromatium Sp. and Rhodopseudomonas Sp. of tropical environment, Malaysia .](#) Oriental Journal of Chemistry , 30 (2) pp.607-613
- 2014** [Removal of heavy metal ions with acid activated carbons derived from oil palm and coconut shells.](#) Materials , 7 (5) pp.3634-3650
- 2014** [Distribution of dissolved toxic elements during seasonal variation in Kuantan river, Pahang, Malaysia .](#) Oriental Journal of Chemistry , 30 (2) pp.479-484
- 2013** [Cultivable marine bacterial isolates from a sponge Hyattella cribriformis.](#) Journal of Biological Sciences , 13 (1) pp.26-32
- 2013** [Distribution and abundance of gelatinous zooplankton along Tamil Nadu coastal waters.](#) Journal of Biological Sciences , 13 (1) pp.18-25
- 2013** [Macrobenthic diversity in horseshoe crab nesting ground-Balok Station, Pahang, Malaysia.](#) Oriental Journal of Chemistry , 29 (4) pp.1311-1318
- 2013** [Bioaccumulation of selected metals in fresh water haruan fish \(channa striatus\) collected from Pahang River Basin, Malaysia.](#) Oriental Journal of Chemistry , 29 (4) pp.1553-1558
- 2013** [Geochemical characteristics of heavy metals concentration in sediments of Quiberon Bay Waters, South Brittany, France.](#) Oriental Journal of Chemistry , 29 (1) pp.39-45
- 2013** [Study on toxic chemicals in Kuantan river during pre and post monsoon season.](#) Australian Journal of Basic and Applied Sciences , 7 (4) pp.24-30
- 2013** [Method development and validation of nitrofurantoin metabolites in shrimp by liquid chromatographic mass spectrometric system.](#) Journal of Biological Sciences , 13 (1) pp.33-37
- 2013** [Antibacterial properties of selected mangrove plants against vibrio species and its cytotoxicity against artemia salina.](#) World Applied Sciences Journal , 25 (2) pp.333-340
- 2012** [Waste palm shell converted to high efficient activated carbon by chemical activation method and its adsorption capacity tested by water filtration.](#) APCBEE Procedia 1 , 1 pp.293-298
- 2012** [TAL - a source of bacterial endotoxin detector in liquid biological samples.](#) International Food Research Journal , 19 (2) pp.423-425
- 2012** [Bioaccumulation of heavy metals \(Cd, Pb, Cu and Zn\) in Scylla serrata \(Forsskal 1775\) collected from Sungai Penor, Pahang, Malaysia.](#) Pertanika Journal of Tropical Agricultural Science , 35 (1) pp.183-190

- 2012** [Sediment profiling of the nesting grounds of horseshoe crabs at East Peninsular Malaysia.](#) International Journal of Biology , 4 (2) pp.159-165
- 2012** [Spawning and nesting behaviour of Tachypleus gigas along the East coast of Peninsular Malaysia.](#) International Journal of Biology , 4 (2) pp.102-111
- 2012** [Feeding ecology and food preferences of Carcinoscorpius rotundicauda collected from the Pahang nesting grounds.](#) Sains Malaysiana , 41 (7) pp.855-861
- 2012** [Impact of coastal development on mangrove cover in Kilim river, Langkawi Island, Malaysia.](#) Journal of Forestry Research , 23 (2) pp.185-190
- 2012** [Distribution of trace metals in pore water along Terengganu beach.](#) Australian Journal of Basic and Applied Sciences , 6 (7) pp.213-217
- 2012** [Studies on water quality and pathogenic bacteria in coastal water Langkawi, Malaysia.](#) Journal of Environmental Biology , 33 (4) pp.831-835
- 2012** [The distribution of selected metals in the surface sediment of Langkawi Coast, Malaysia.](#) Oriental Journal of Chemistry , 28 (2) pp.725-732
- 2012** [Diversity and distribution of fishes in tropical estuary Kuantan, Pahang, Malaysia .](#) Pakistan Journal of Biological Sciences , 15 (12) pp.576-582
- 2011** [Distribution and diversity of corals on artificial reefs at Pasir Akar and Teluk Kalong, Redang Island, Malaysia.](#) Journal of Applied Sciences , 11 (2) pp.379-383
- 2011** [Effect of salinity on the egg hatching and early larvae of horseshoe crab Tachypleus gigas \(muller, 1785\) in laboratory culture.](#) Journal of Applied Sciences , 11 (14) pp.2620-2626
- 2011** [Physico-chemical characteristics and dissolved trace metals in the Pahang River Estuary, Malaysia.](#) Oriental Journal of Chemistry , 27 (2) pp.397-404
- 2011** [Bioaccumulation of selected metals in the blood cockle \(Anadara granosa\) from Langkawi Island, Malaysia.](#) Oriental Journal of Chemistry , 27 (3) pp.979-984
- 2011** [Spatial variation and community composition of phytoplankton along the Pahang estuary, Malaysia.](#) Asian Journal of Biological Sciences , 4 (5) pp.468-476
- 2011** [Determination of estuarine sedimentation rates using ²³⁰Thexcess and ²³²Thexcess/²³²Th ratio methods in the Paka estuary, Malaysia.](#) Trends in Applied Sciences Research , 6 (1) pp.102-107
- 2011** [Molecular phylogeny of horseshoe crab.](#) Asian Journal of Biotechnology , 3 (3) pp.302-309
- 2011** [Bioaccumulation of some metals by Green mussel Perna viridis \(Linnaeus 1758\) from Pekan, Pahang, Malaysia.](#) International Journal of Biological Chemistry , 5 (1) pp.54-60
- 2011** [Effects of blood extraction on the mortality of Malaysian horseshoe crabs \(Tachypleus gigas\).](#) Marine and Freshwater Behaviour and Physiology , 44 (5) pp.321-327
- 2011** [Spatial concentrations of Lead and Copper in bottom sediments of Langkawi coastal area, Malaysia.](#) Research Journal of Environmental Sciences , 5 (2) pp.179-186

- 2011** [Artificial seagrass: a habitat for marine fishes.](#) Journal of Fisheries and Aquatic Science , 6 (1) pp.85-92
- 2011** [Hydrology of the horseshoe crab nesting grounds at Pahang Coast, Malaysia.](#) Oriental Journal of Chemistry , 27 (4) pp.1475-1483
- 2011** [Accumulation and distribution of lead and copper in Avicennia marina and Rhizophora apiculata from Balok mangrove forest, Pahang, Malaysia.](#) Sains Malaysiana , 40 (6) pp.555-560
- 2011** [Removal of nitrate and phosphate from municipal wastewater sludge by Chlorella Vulgaris, Spirulina Platensis and Scenedesmus Quadricauda.](#) IIUM Engineering Journal , 12 (4) pp.125-132
- 2011** [Vertical variation of lead, copper and manganese in core sediments collected from Tanjung Lumpur mangrove forest, Pahang, Malaysia.](#) Sains Malaysiana , 40 (8) pp.827-830
- 2011** [Bioaccumulation of Heavy Metals in Horseshoe Crabs \(Tachypleus gigas\) from Pekan, Pahang, Malaysia.](#) Research Journal of Environmental Toxicology , 5 (3) pp.222-228
- 2011** [Concentrations of lead copper and zinc in the bottom sediments of Tuba island waters of Langkawi, Malaysia.](#) Oriental Journal of Chemistry , 27 (2) pp.505-510
- 2011** [Heavy metal accumulation in commercially important fishes of south west Malaysian coast.](#) Research Journal of Environmental Sciences , 5 (6) pp.595-602
- 2011** [Heavy metal concentration in the surface sediment of Tanjung Lumpur mangrove forest, Kuantan, Pahang, Malaysia.](#) Sains Malaysiana , 40 (2) pp.89-92
- 2010** [Spatial distribution of organic carbon contents of Langkawi island coastal waters, Malaysia.](#) Oriental Journal of Chemistry , 26 (3) pp.851 -855
- 2010** [The determination of ²¹⁰Pb in the sediments: sedimentation rates from the Terengganu coastal waters, Malaysia.](#) Current World Environment , 5 (1) pp.9-14
- 2010** [Concentration of Zn, Cu and Pb in some selected marine fishes of the Pahang coastal waters, Malaysia.](#) American Journal of Applied Sciences , 7 (3) pp.309-314
- 2010** [Spatial and temporal bottom sediment characteristics of Pahang river estuary, Pahang, Malaysia.](#) Oriental Journal of Chemistry , 26 (1) pp.39-44
- 2010** [The distribution of Co, Pb and Zn in the bottom sediment offshore of Kemaman, Terengganu, Malaysia during pre and post monsoon periods.](#) Journal of Sustainability Science and Management , 5 (1) pp.106 -115
- 2010** [The determination of sediment acceration rate using ²¹⁰Pb in Johore Coastal Water, Malaysia.](#) Pertanika Journal of Science and Technology , 18 (1) pp.1-6
- 2010** [Mechanism in the clot formation of horseshoe crab blood during bacterial endotoxin invasion.](#) Journal of Applied Sciences , 10 (17) pp.1930-1936
- 2010** [Bacterial communities in Kuantan estuary of Pahang, Malaysia.](#) Journal of Applied Sciences , 10 (8) pp.652-657

- 2010** [Determination of some heavy metal concentrations in razor clam \(*Solen brevis*\) from Tanjung Lumpur Coastal waters, Pahang, Malaysia.](#) Pakistan Journal of Biological Sciences , 13 (24) pp.1208-1213
- 2010** [Spatial distribution of lead and copper in the bottom sediments of Pahang River estuary, Pahang, Malaysia.](#) Sains Malaysiana , 39 (4) pp.543-547
- 2010** [Distribution of Chromium, Manganese and Cobalt in the Bottom Sediment of Pahang River-Estuary, Pahang, Malaysia.](#) Journal of Applied Sciences , 10 (23) pp.3122-3126
- 2010** [Levels of some heavy metals in fishes From Pahang river estuary, Pahang, Malaysia.](#) Journal of Biological Sciences , 10 (2) pp.157-161
- 2010** [Accumulation of metals in the gills of tilapia fingerlings \(*Oreochromis niloticus*\) from in vitro toxicology study.](#) Journal of Fisheries and Aquatic Science , 5 (6) pp.503-509
- 2010** [Antibiotic resistance microbes in tropical mangrove sediments, East Coast Peninsular, Malaysia.](#) African Journal of Microbiology Research , 4 (8) pp.640-645
- 2010** [\$\omega\$ -Fatty acids from Malaysian giant snakehead \(*Channa micropeltes*\) fish oil.](#) Oriental Journal of Chemistry , 26 (1) pp.1-4
- 2010** [Study on \$\omega\$ -fatty acids from Malaysian giant mudskipper \(*Periophthalmodon schlosseri*\) fish oil.](#) Oriental Journal of Chemistry , 26 (3) pp.861-864
- 2010** [Cd, Cu and Pb Concentration Levels in Horseshoe Crab Nesting Grounds of Pahang Coast, Malaysia.](#) Journal of Biological Sciences , 10 (8) pp.790-794
- 2010** [The temporal variation of organic carbon during the pre-monsoon and post-monsoon seasons in Pahang river estuary, Pahang, Malaysia.](#) Oriental Journal of Chemistry , 26 (4) pp.1309-1313
- 2009** [Geochemical studies of Setiu lagoon, Terengganu, Malaysia.](#) Malaysian Journal of Science , 28 (2) pp.217-222
- 2009** [Bacterial pollution in Molluscs Arch Clam, *Orbicularia orbiculata* and Blood Cockle, *Anadara granosa* of Pahang estuary, Malaysia.](#) Journal of Biological Sciences , 9 (8) pp.841-850
- 2009** [Seasonal distribution of organic carbon in the surface sediments of the Terengganu nearshore coastal area.](#) American Journal of Environmental Sciences , 5 (1) pp.111-115
- 2009** [Studies on physico-chemical characteristics and sediment environment along the coastal waters Pulau Tuba, Langkawi Malaysia.](#) Aquatic Ecosystem Health and Management (AEHMS) , 12 (4) pp.350-357
- 2009** [An assessment of metals \(Pb and Cu\) contamination in bottom sediment from South China sea coastal waters, Malaysia.](#) American Journal of Applied Sciences , 6 (7) pp.1418-1423
- 2009** [Geochemical proxy of sediment cores from Terengganu coastal water, Malaysia.](#) Oriental Journal of Chemistry , 25 (1) pp.9-14

- 2009 [Determination of trace metals in airborne particulate matter of Kuala Terengganu, Malaysia.](#) Bulletin of Environmental Contamination and Toxicology , 83 (2) pp.199-203
- 2009 [Variability of organic carbon content in bottom sediment of Pahang River Estuary, Pahang, Malaysia .](#) Journal of Applied Sciences , 9 (24) pp.4253-4257
- 2009 [Geochemical proxy of some chemical elements in sediments of Kemaman River Estuary, Terengganu, Malaysia.](#) Sains Malaysiana , 38 (5) pp.631 -636
- 2009 [Accumulation of lead and copper in Rhizophora apiculata from Setiu mangrove forest, Terengganu, Malaysia.](#) Journal of Environmental Biology , 30 (5 Supp) pp.821-824
- 2008 [Distribution of some geochemical elements in the surface sediment of Kerteh Mangrove Forest, Terengganu, Malaysia.](#) Sains Malaysiana , 37 (4) pp.337-340
- 2008 [Levels of heavy metals in green-lipped mussel Perna veridis \(Linnaeus\) from Muar Estuary, Johore, Malaysia.](#) Pakistan Journal of Biological Sciences , 11 (18) pp.2249-2253
- 2008 [Recent sedimentation rate and sediment ages determination of Kemaman-Chukai mangrove forest, Terengganu, Malaysia.](#) American Journal of Agricultural and Biological Science , 3 (3) pp.522-525

Conference or Workshop Item

- 2020 [Heavy metals in tuna species meat and potential consumer health risk: A review.](#) **In: 14th International UMT Annual Symposium**
- 2019 [Preliminary study on developing 1,5-Diphenylcarbozone as a chemosensor againsts Hg²⁺ ions recognition in aqueous media.](#) **In: International Conference on Clean Water, Air and Soil (CLEANWAS 2019)**
- 2019 [Infectious diseases in Tachypleus gigas during captive breeding and rearing.](#) **In: The 4th International Workshop on The Science and Conservation of Horseshoe Crabs**
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- 2019 [Preliminary study in discovering 2-propen-1-one, 1-\(2,4-dihydroxyphenyl\)-3-\(4-methoxyphenyl\)- from syzygium aqueum leaves as a tyrosinase inhibitor in food product: experimental and theoretical approach.](#) **In: International Conference on Clean Water, Air and Soil (CLEANWAS 2019)**
- 2019 [Efficiency of carbon dioxide uptake by different concentration of a marine microalgae, chlorella vulgaris under laboratory condition.](#) **In: Malaysia International Biology Symposium 2019**
- 2019 [Production of Halal pheromone for perfumes from Salacca zalacca \(salak\) fruit.](#) **In: International Conference and Exposition on Inventions by institutions of Higher Learning 2019(PECIPTA'19)**
- 2018 [Determination of two different aeration time on food waste composting.](#) **In: Second International Conference on the Future of ASEAN (ICoFA) 2017**

- 2017 [Nutrients dynamics and trophic status of lake Kenyir.](#) In: **6th International Conference on Advancement in Science and Technology (iCAST 2017)**
- 2017 [Effects of monsoon on water quality and trophic state of Kuantan River, Kuantan, Malaysia.](#) In: **6th International Conference on Advancement in Science and Technology (iCAST 2017)**
- 2016 [Antibacterial property of crude extract from stem-bark and leaves of *Rhizophora apiculata* against selected bacterial fish pathogens.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Risk & prevention: building characteristics and occupancy implications on Indoor Air Quality \(IAQ\) in selected day care nursery and primary school in Pahang.](#) In: **Seminar Penyelidikan Tahunan IDR Ketiga 2016 Dan Pangkor Dialogue Expos Tahun 2016**
- 2016 [Study on solid waste generation and composition at balakong city, selangor.](#) In: **IDR Annual Research Seminar**
- 2016 [Effect of captive breeding on the Amoebocyte cell viability in Malaysian horseshoe crab \(*Tachypleus gigas*\).](#) In: **The 14th Symposium of Malaysian Society of Applied Biology (MSAB 2016)**
- 2016 [Hydrodynamic and wave refraction modelling from selected beaches of Pahang.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)**
- 2016 [Extraction of omega 3 fatty acids from sardine byproducts using supercritical carbon dioxide.](#) In: **Medical Research Symposium & Pacific Partnership in conjunction with Kuantan Research Day 2016**
- 2016 [Study on design in an appropriate system to enhance composting process methods.](#) In: **International Conference on Environment and Occupational Health 2016**
- 2016 [Effect of recent flood on ichthyoplankton and juvenile fish assemblage changes in Kuantan river revealed through DNA barcoding.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2015 [Gonadal development and spawning of *Nemipterus furcosus* in the Pahang coastal water.](#) In: **International conference on Marine Science and Aquaculture (ICOMSA) 2015**
- 2015 [Critical review on invitro amebocyte culture: a lesson learned from past.](#) In: **International Conference on Advancement in Science and Technology (iCAST 2015) - 'Frontiers in Biotechnology'**
- 2015 [DNA barcoding of pomfret in Peninsular Malaysia.](#) In: **International Fisheries Symposium (IFS 2015)**
- 2015 [Smart system for real rime optimization of solid waste management in Malaysia.](#) In: **2015 International Conference of Clean Water, Air & Soil**
- 2015 [An overview on rare earth management in Malaysia.](#) In: **Conference on Malaysia Rare Earth Technology: From R&D to Production (COMRET 2015)**

- 2014 [Growth, condition factor and gonadosomatic index of Asian Seabass \(*Lates calcarifer*\) in the coastal water of Pahang.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP)**
- 2014 [Preparation, characterization and reduction of burst release of BSA from biodegradable PLGA microspheres.](#) In: **1st International Conference of Industrial Pharmacy (ICIP 2014)**
- 2014 [Review on the status and future prospects of heavy metal pollution in Malaysian coastal waters.](#) In: **Estuaries and Coastal protected areas**
- 2014 [Rare earth elements determination in rocky shore gastropod thais clavigera.](#) In: **2014 4th International Conference on Biotechnology and Environment Management (ICBEM 2014)**
- 2014 [Biomonitoring of heavy metals using intertidal mollusks in East Johor coastal waters.](#) In: **27th Regional Symposium of Malaysia Analytical Sciences**
- 2013 [Beach morphodynamic and sediment characteristic along Teluk Chempedak to Kuala Pahang.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 2013 [Temporal variation in growth, condition factor and gonadosomatic index of Asian seabass \(*Lates calcarifer*\) in the coastal water of Pahang.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP)**
- 2013 [Evaluation of copepods as live feed for the larval Asian seabass \(*Lates calcarifer*\).](#) In: **International Conference on Innovation Challenges in Multidisciplinary Research and Practice (ICMRP-2013)**
- 2013 [Biofuel potential within chaetoceros species \(bacillartophyceae\) from coastal water of Pahang, Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate**
- 2013 [The relationship between heavy metals and sedimentary organic matter in estuary sediment of Sungai Perlis, Perlis, Malaysia.](#) In: **Sustainable Development Conference 2013**
- 2013 [Determination of sediment characteristics based on grain size of sediments of Perlis river.](#) In: **Sustainable Development Conference 2013**
- 2013 [Preparation of a highly efficient activated carbon by chemical activation method for adsorption of pesticide \(toxin\).](#) In: **National Conference on Industry-Academia Joint Initiatives in Biotechnology 2013**
- 2012 [Coastal water quality of Tioman island: effects of human activity and the distance from shoreline.](#) In: **Seminar Kebangsaan Status Biodiversiti Marin di Kepulauan dan Persisiran Pantai Malaysia 2012**
- 2012 [Synthesis of fatty acid from locally isolated marine algae, *Chaetocerosaffinis*.](#) In: **Malaysian Science and technology Congress (MSTC 2012)**

- 2012 [Determination of some toxic elements such as arsenic, selenium, chromium and lead using icp-ms and gf-aas in rural ground water in Terengganu, Malaysia.](#) In: **The 8th International Conference on Marine Technology (MARTEC)**
- 2012 [Determination of Mercury In Biological Sample In Muar River Estuary.](#) In: **Malaysian Science and technology Congress (MSTC 2012)**
- 2012 [Heavy metal speciation in sediment of the South China Sea off the Pahang coast, Malaysia during the pre- and post- North-east monsoon period.](#) In: **OCEANS, 2012**
- 2011 [Endo sensor bacterial endotoxin detector in liquid biological samples.](#) In: **2nd International Conference on Biotechnology Engineering (ICBioE 2011)**
- 2011 [Study on toxic chemicals in Kuantan \(Pahang\) River during pre and post monsoon season.](#) In: **The 24th Regional Symposium of Malaysia Analytical Sciences**
- 2011 [Biotransformation products from Clarius batrachus oil.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2011 [Minimizing impacts of climate change on coastal aquatic resources through the integrated mariculture.](#) In: **National Symposium on Climate Change Adaptation (CCA)**
- 2011 [Macrobenthic community at nesting grounds of horseshoe crabs \(Tachypleus gigas and Carcinoscorpius rotundicauda\) at Pahang Coast, Malaysia.](#) In: **10th International Annual Symposium (UMTAS 2011)**
- 2010 [Spirulina - a potential feed additive for the development of proteolytic enzymes and growth of the tropical sport fish Malaysian Mahseer \(KELAH, Tor tambroides\) FRY.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Product development from mudskipper and giant snakehead fish oils.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Human pathogenic bacteria in sea fish - siakap \(SEA PERCH, lates calcarifer\) and ikan merah \(RED SNAPPER, Lutjanus sanguineus.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Determination of concentration of Zn, Cu, Cd and Pb in Scylla serrata \(Forsskal 1775\) from Sungai Penor, Kuantan .](#) In: **9th International Annual Symposium on Sustainability and Management (UMTAS)**
- 2010 [Bioaccumulation of Heavy Metals by Green mussel Perna viridis \(Linnaeus ,1758\) from Pekan, Pahang, Malaysia.](#) In: **3rd International Conference on Southeast Asian Natural Resources and Environmental Management (SANREM 2010)**
- 2010 [Fatty acid composition of Malaysian giant mudskipper \(Periophthalmodon schlosseri\) fish oil.](#) In: **9th Conference of the International Society for the Study of Fatty Acids and Lipids (ISSFAL) 2010**
- 2010 [Molecular phylogeny of horseshoe crab using mitochondrial Cox1 gene as a benchmark sequence.](#) In: **4th International Conference on Postgraduate Education (ICPE 4).**
- 2010 [VircoSpray - a sprayable virgin coconut oil.](#) In: **Invention, Innovation and Technology Exhibition (ITEX 2010)**

- 2010 [Human pathogenic bacteria in marine fishes:\(sea perch, lates calcarifer\) and \(red snapper, lutjanus sanguineus\)](#). In: **International Conference on Aquatic Microbiology, (Status, Challenges, and Oppurtunities) - AMSCO 2010**
- 2009 [Impact of coastal development on mangrove distribution in Kuantan, Pahang](#). In: **JSPS-VCC Core University Program International Seminar on Wetland and Sustainability**
- 2009 [Accumulation of selected heavy metals \(Cu, Pb, and Zn\) in muscle, stomach and gill of some marine commercial fishes of Pahang coastal water, Malaysia](#). In: **International Conference on Marine Ecosystem 2009 (INCOMES 2009)**
- 2009 [Oxidative bioconversion of \$\omega\$ -fatty acid from giant snakehead fish oil](#). In: **Bandung International Conference on Medicinal Chemistry**
- 2009 [Bioconversion of \$\omega\$ -fatty acids extracted from giant snakehead and mudskipper fish oils](#). In: **2nd National Symposium on Fermentation Technology (NSFT 2009)**
- 2009 [Bioconversion of \$\omega\$ -fatty acid from giant snakehead \(Channa micropeltes\) fish oil](#). In: **National Symposium on Organic Synthesis (NaSOS) 2009**
- 2009 [Topical cream from Channa micropeltes \(Giant Snakehead fish\) oil for arthritis](#). In: **Bio Malaysia 2009**
- 2009 [Sediment characteristics of Tanjung Lumpur mangrove forest, Pahang](#). In: **JSPS-VCC Core University Program International Seminar on Wetland and Sustainability**

Book

- 2017 [Frontiers in science and technology](#). IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-446-9
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Book Section

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- 2016 [Revised phylogeny of extant xiphosurans \(Horseshoe Crabs\).](#) In: **DNA Barcoding in Marine Perspectives: Assessment and Conservation of Biodiversity** Springer International Publishing . ISBN 978-3-319-41838-4 , pp.113-130
- 2012 [Emergence of antibiotic resistant bacteria from coastal environment - a review.](#) In: **Antibiotic resistance bacteria: a continuous challenge in the new millennium** InTech . ISBN 9789535104728 , pp.143-158
- 2011 [Distribution of horseshoe crabs at their nesting grounds, East coast of Peninsular Malaysia .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.27-34
- 2011 [Bionomics of Malaysian horseshoe crabs tachypleus gigas.](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.203-212
- 2011 [Physicochemical parameters relationship at the horseshoe crab nesting grounds of Pahang coast, Malaysia.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.57-67
- 2011 [Feeding ecology of Mangrove horseshoe crab Carcinoscorpius rotundicauda .](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.213-223
- 2011 [Macrobenthic diversity at the horseshoe crab nesting ground, Balok station, Pahang, Malaysia - Part 1.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.69-82
- 2011 [Can DNA barcode accurately delineate living fossil \(Horseshoe crab\)and its different developmental stages?.](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.237-249
- 2011 [Macrobenthic diversity at the horseshoe crab nesting ground, Balok station, Pahang, Malaysia-Part 2 .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.83-94
- 2011 [Macrobenthic diversity at the horsehoe crab nesting ground, Pekan station, Pahang, Malaysia - Part 1.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.95-108
- 2011 [Revision on the molecular phylogeny of horseshoe crabs - Part 1 .](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.251-266
- 2011 [Influence of physicochemical parameters on the macrobenthic diversity and abundance in horseshoe crab nesting grounds, East coast of Peninsular Malaysia.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.127-135
- 2011 [Revision on the molecular phylogeny of horseshoe crabs - Part 2.](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.267-274

- 2011 [In-vitro study on the effect of salinity on the hatching success of Malaysian Horseshoe crab eggs.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.137-146
- 2011 [Effects of salinity on the early growth of Tachypleus gigas larvae - an in vitro study.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.147-154
- 2011 [Sediment characteristics of horseshoe crabs nesting ground at Balok station, Pahang, Malaysia.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.155-164
- 2011 [Cu and Cd bioaccumulation in Malaysian horseshoe crab .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.183-192
- 2011 [Metal concentration in horseshoe crab nesting ground along Pahang coast, Malaysia .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.193-202
- 2011 [Factors involving in the clot formation of horseshoe crab blood .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.307-316
- 2011 [Methods for bacterial endotoxin quantification in reference to horseshoe crab blood studies .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.317-324
- 2011 [Bioaccumulation of some essential metal concentration in Malaysian horseshoe crabs \(tachypleus gigas\) .](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.175-182
- 2011 [Global distribution and taxonomy of extant horseshoe crabs.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 9789674180423 , pp.1-9
- 2011 [Endo sensor \(TAL\) production from Malaysian Horseshoe crab blood .](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.325-332
- 2011 [Water sampling techniques .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.158-162
- 2011 [Detection of heavy metals in sediment and biological samples .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.179-185
- 2011 [Characterization of Tachypleus Amebocyte Lysate \(TAL\).](#) In: **The Living Fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.333-342
- 2011 [Laboratory protocols-sediment sample analysis .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.186-194
- 2011 [Environmental and pharmaceutical applications of Amebocytes Lysate \(LAL/TAL\) from horseshoe crabs .](#) In: **The Living Fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.343-350
- 2011 [Anadara granosa - a potential bioindicator in coastal waters of Langkawi Island, Malaysia .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.195-205

- 2011 [Bioaccumulation of selected metals in commercially important marine fishes from Selangor coastal waters, Malaysia.](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.206-214
- 2011 [Tachypleus gigas mortality due biomedical bleeding process.](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.351-358
- 2011 [Conservation measures on horseshoe crab population – a global view .](#) In: **The Living Fossil (Horseshoe Crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.359-367
- 2011 [Bioadsorption of heavy metals from synthetic waste water by tropical rambutan seed .](#) In: **Biotechnologies towards sustainable development in Malaysia** IIUM Press . ISBN 9789674182007 , pp.208-222
- 2011 [Chitin and chitosan from potential shrimps and crabs of Malaysia .](#) In: **Biotechnologies towards sustainable development in Malaysia** IIUM Press . ISBN 9789674182007 , pp.236-243
- 2011 [Limiting factors on the global distribution of horseshoe crabs.](#) In: **The living fossil (Horseshoe crab)** IIUM Press . ISBN 978-967-418-042-3 , pp.11-17
- 2011 [Brazil: a future leader of the aquaculture sector.](#) In: **Aquaculture and the environment: Present status and future challenges** IIUM Press . ISBN 978-967-418-197-0 , pp.129-133
- 2011 [Aquaculture in Spain: a special emphasis on shellfish aquaculture.](#) In: **Aquaculture and the environment: present status and future challenges** IIUM Press . ISBN 978-967-418-197-0 , pp.141-145
- 2009 [Studies of Physio-chemical characteristics and sediment environment along the coastal waters Pulau Tuba, Langkawi.](#) In: **Proceedings of the Seminar on Research Findings 2008** IIUM Press . ISBN 9789833855780 , pp.463-473