<table>
<thead>
<tr>
<th>Area</th>
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<tbody>
<tr>
<td>ECOLOGICAL AQUACULTURE</td>
<td>2018/2019, 2019/2020</td>
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<td>Ecological Aquaculture</td>
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<td>INTRODUCTORY TO MICROBIOLOGY</td>
<td>2002/2003</td>
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<td>NUTRITION AND FEEDING</td>
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<td>PROJECT SEMINAR</td>
<td>2018/2019, 2019/2020</td>
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<td>WASTE MANAGEMENT</td>
<td>2009/2010</td>
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RESEARCH PROJECTS

In Progress

2018 - Present
DNA Barcoding and Molecular Phylogenetics of Sharks in Malaysia

2018 - Present
Environmental DNA Metabarcoding of Fishes in Balok River Kuantan, Pahang

2016 - Present
Fisheries Conservation Towards Sustainable Development In Tropical Environment

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

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

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

2013 - Present
Production of Non-Thermally Processed Alternative Ingredients for Halal Food Products

2004 - Present
Functional Food and Nutraceuticals Research Unit (FFNRU)

Unknown - Present
Environmental Determinants Influencing Fish Community Structure and Seasonal Diversity IN TROPICAL ESTUARY, KUALA PAHANG, MALAYSIA

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

Completed

2016 - 2018
Stereospermum Fimbriatum (Chicha) - Prospects of Antimicrobial Agent for Skin Infection

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

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

2016 - 2018
Fisheries Conservation Towards Sustainable Development In Tropical Environment

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

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

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

2015 - 2016
The Effect of Monsoon on Fish Larval (Ichthyoplankton Stages) Assemblage Changes in Kuantan River
<table>
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<tr>
<td>2014 - 2017</td>
<td>Pilot Study on the River Rehabilitation of Sg. Pusu</td>
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<td>2014 - 2016</td>
<td>DNA Barcoding of Selected Commercial Fishes in Pahang River</td>
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<td>2014 - 2018</td>
<td>Microbial Diversity of Pekan Peat Swamp Forest Soil and their Functional Potential Through Cultivation and Metagenomic Approach</td>
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<td>2014 - 2018</td>
<td>Indoor Air Quality in Urban Child Care Institution (Nurseries &amp; Kindergarten): The Characterization of Particulate Matter (PM) and Its Relation to Airborne Enteric Microorganisms</td>
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<td>2013 - 2016</td>
<td>Screening of Mangrove Actinomycetes and Their Antimicrobial Potentials</td>
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<td>2013 - 2015</td>
<td>Genetic Variation and DNA Barcoding of Endangered Fishes in Pahang River</td>
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<td>2013 - 2015</td>
<td>Development of Adsorbent Materials from Selected Local Fruit Waste</td>
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<td>Study on the Contamination of Najs Mutawassitah in Fish and Water of Kuantan River</td>
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<td>Production of Non-Thermally Processed Alternative Ingredients for Halal Food Products</td>
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<td>2012 - 2014</td>
<td>Growth and Survival of Malaysian Sport Fish Tor tambroides Fry by Applying Phototrophic Bacteria as Feed Supplement.</td>
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<td>2012 - 2015</td>
<td>Heavy metal and Antibiotic Resistance of the Bacterical Flora in Sediments of Coastal Water of Pahang, Malaysia</td>
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<td>2012 - 2016</td>
<td>Modelling of longitudinal changes in bacterial community structure towards physico chemical and environments factors along the Pahang river</td>
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<td>2011 - 2014</td>
<td>(RU2011) Isolation, diversity, and antimicrobial screening of actinomycetes isolated from mangrove sediments in Tanjung Lumpur, Pahang</td>
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<td>Chemoenzymatic Conversion of w-fatty acids extracted from Malaysian Giant Snakehead and catfish</td>
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<td>2010 - 2013</td>
<td>Sigma subunit-Dependent adaptation of physiology and metabolic functions in burkholderia for effective bioremediation process</td>
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<td>2010 - 2012</td>
<td>DNA Barcoding Of Horse Shoe Crab, Carcinoscopius Rotundicauda And Tachypleus Gigas From Coastal Water Malaysia</td>
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2009 - 2010 Bioaccumulation of heavy metal in Mangrove Crabs and Mollusks of Penor and Kuantan river, Pahang

2009 - 2010 Environmental Impact of Antibiotic Resistance Transposed from Genetically Modified Organism to soil Bacteria

2009 - 2010 Studies on Water Quality and Fish Communities in the Kuantan Estuary Pahang, Malaysia

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 Geochemical and Sedimentological Characteristics Studies of Pahang Estuary, Malaysia

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 Study on Microbial Ecology of the Coastal Water Langkawi

2006 - 2012 Studies on Mangrove in Pulau Toba, Langkawi

2005 - 2007 Physico-Chemical Characteristics and Sediment Environment of the Coastal Water, Pulau Tuba and its Nearby Islands, Langkawi

Unknown - 2019 INVENTORY ON THE SPECIES COMPOSITION AND EXISTING METAL CONCENTRATION IN KUANTAN RIVER

Unknown - 2020 Environmental Determinants Influencing Fish Community Structure and Seasonal Diversity IN TROPICAL ESTUARY, KUALA PAHANG, MALAYSIA

**PUBLICATIONS**

2019 **Horseshoe crab bio-ecological data from Balok, East Coast Peninsular Malaysia.** Data in Brief, 22 pp.458-463

2019 **Effect of lime-bone ratio on compressive strength and void fraction of recycled green ecological concrete.** Nature Environment and Pollution Technology, 18 (5 (Special Issue)) pp.1579-1583

2019 **Biological activities and extraction technologies of Pheonix dactylifera: a review.** The Natural Products Journal, 9 (1) pp.3-13

2019 **Introduction environment, development and sustainability.** Revista Internacional de Contaminacion Ambiental, 35 pp.7-9

2019 *Evaluation of green solution potentials of unripe banana (musa sapientum) peel biomass*, Acta Scientifica Malaysia (ASM), 3 (1) pp.9-16


2019 *Building a case for the conservation of Malaysian horseshoe crabs*, Fishmail, 27 ((May -December)) pp.15-18

2019 *Horseshoe crab bio-ecological data from Balok, East Coast Peninsular Malaysia*, Data in Brief, 22 pp.458-463

2019 *Evaluation of green solution potentials of unripe banana (musasapientum) peel biomass*, Acta Scientifica Malaysia (ASM), 3 (1) pp.9-16

2019 *Temperature influence on emergence success and swimming speed for In-situ nesting for Chelonia mydas in Penang Island, Malaysia*, Emergence success of In-situ nests, 30 (3) pp.111-128


2019 *Treatment of Taman Beringin landfill leachate using the column technique*, Desalination and Water Treatment, 149 pp.370-387

2019 *Effects of shore sedimentation to tachypleus gigas (Müller, 1785) spawning activity from Malaysian waters*, Journal of Sustainability Science and Management, 14 (1) pp.41-60

2019 *Research on integrated technology of desulphurization, denitration and waste heat recovery of coke oven flue gas*, Nature Environment and Pollution Technology, 18 (5 (Special Issue)) pp.1621-1625

2019 *Sewage monitoring system based on artificial intelligence*, Nature Environment and Pollution Technology, 18 (5 (Special Issue)) pp.1601-1607

2019 *Study on calculation method of ecological environment flow rate of water conservancy and hydropower project in coal mining area*, Nature Environment and Pollution Technology, 18 (5 (Special Issue)) pp.1555-1560

2019 *Citizen science frontiers horseshoe crab population regain at their spawning beach in East Peninsular Malaysia*, Journal of Environmental Management, 232 pp.1012-1020

2018 *Multi-target tracking algorithm in intelligent transportation based on wireless sensor network*, Open Physics, 16 (1) pp.1000-1008

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 *Heavy metals and antibiotic resistance bacteria in marine sediment of Pahang coastal water*, Journal CleanWAS, 2 (1) pp.20-22
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

Urban road traffic flow control under incidental congestion as a function of accident duration. Open Physics, 16 (1) pp.1085-1093

The ethical significance of antibiotic resistance towards aquaculture practices. International Medical Journal Malaysia, 17 (Special Issue 2) pp.295-301

Islamic ethics of waste management towards sustainable environmental health. The International Medical Journal Malaysia, 17 (Special Issue 1) pp.193-197

Distribution, abundance, and clutch size of hawksbill turtle nests in Melaka, Malaysia. Malaysian Applied Biology, 47 (3) pp.29-38

Diversity and community composition of fishes in the Pusu River Gombak, Malaysia. Journal of Coastal Research, Special Issue 82 Fall pp.150-155

Macrobenthic diversity and community composition in the Pahang Estuary, Malaysia. Journal of Coastal Research, Special Issue 82 Fall pp.206-211

Diversity, antimicrobial capabilities, and biosynthetic potential of mangrove actinomycetes from coastal waters in Pahang, Malaysia. Journal of Coastal Research, Special Issue 82 Fall pp.174-179

Importance of sand particle size and temperature for nesting success of green turtles in Penang Island, Malaysia. Chelonian Conservation and Biology, 17 (1) pp.116-122


The discovery of physical properties of food waste in composting process.. International Journal of Engineering & Technology, 7 (2.29) pp.460-468

Assessing nesting status of green turtles, Chelonia Mydas in Perak, Malaysia. Tropical Life Sciences Research, 29 (1) pp.155-171

Bacterial population study in oil-contaminated and uncontaminated soils. Journal Clean WAS (JCleanWAS), 2 (2) pp.6-9

Splitting the eggs methods: Comparison of egg survivorship between styrofoam and open area nests for Penang Island turtle conservation. Malaysian Applied Biology Journal, 46 (2) pp.77-86

Environmental characteristics of clay and claybased minerals. Geology, Ecology, and Landscapes, 1 (3) pp.155-161


Splitting the eggs methods: Comparison of egg survivorship between styrofoam and open area nests for Penang Island and turtle conservation. Malaysian Applied Biology, 46 (2) pp.77-86
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<td>2017</td>
<td>Effect of differential feed on the molting success and survival of horseshoe crab trilobite (<em>tachypleus gigas</em>).</td>
<td>Malaysian applied biology, 46 (1) pp.21-25</td>
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<td>2017</td>
<td>Between the bioactive extracts of edible mushrooms and pharmacologically important nanoparticles: Need for the investigation of a synergistic combination - A mini review.</td>
<td>Asian Journal of Pharmaceutical and Clinical Research, 10 (3) pp.13-24</td>
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<td>2017</td>
<td>PCB biodegradation using bacteria isolated from landfill leachate.</td>
<td>Science Heritage Journal, 1 (2) pp.7-10</td>
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<td>2017</td>
<td>Bio-monitoring selected heavy metal concentration in <em>Nerita</em> sp. collected from <em>Tanjung Lumpur</em> mangrove forest..</td>
<td>Environment and Ecosystem science, 1 (1) pp.4-7</td>
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<tr>
<td>2017</td>
<td>Study on physicochemical parameters and distribution of phytoplankton in Kuantan estuary, Pahang.</td>
<td>Environment and Ecosystem Science, 1 (1) pp.8-12</td>
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<td>2017</td>
<td>α-glucosidase inhibitors isolated from <em>Mimosa pudica L.</em>.</td>
<td>Natural Product Research, 33 (10) pp.1495-1499</td>
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<td>2016</td>
<td>Biosorption of Pb and Cu from aqueous solution using banana peel powder.</td>
<td>Desalination and Water Treatment, 57 (1) pp.303-314</td>
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<td>2016</td>
<td>Flooding impact on distribution of pathogenic bacteria in Pahang River.</td>
<td>The International Medical Journal of Malaysia, 15 (Supplement Issue) pp.11-11</td>
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<td>2016</td>
<td>Persistence of chloramphenicol in the fish flesh patin (<em>Pangasius hypothalamus</em>) and tilapia (<em>Oreochromis niloticus</em>).</td>
<td>International Medical Journal of Malaysia, 15 (supplement) pp.110</td>
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<td>2016</td>
<td>Selective isolation and antagonistic activity of actinomycetes from mangrove forest of Pahang, Malaysia.</td>
<td>Frontiers in Life Science, Vol. 9 (1) pp.24-31</td>
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<td>2016</td>
<td>Can canola meal and soybean meal be used as major dietary protein sources for kuruma shrimp, <em>Marsupenaeus japonicus</em>?.</td>
<td>Aquaculture, 452 pp.194-199</td>
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</table>
2015 Spatial distribution trend of plankton in Sungai Pulai Estuary, the straits of Johor, Malaysia, Sains Malaysiana, 44 (9) pp.1257-1262

2015 Diversity and antimicrobial activity of mangrove soil actinomycetes isolated from Tanjung Lumpur, Kuantan, Jurnal Teknologi, 77 (25) pp.37-43

2015 Antibiotic resistant bacteria from sediment of coastal water of Pahang, Malaysia, Jurnal Teknologi, 77 (24) pp.65-70

2015 Food partitioning among fishes in Pahang River-estuary, Malaysia, Jurnal Teknologi, 77 (25) pp.63-69

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


2015 Effect of azo dye on ammonium oxidation process and ammonia-oxidizing bacteria (AOB) in soil, RSC Advances, 5 (44) pp.34812-34820

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 Selective isolation of Actinomycetes from mangrove sediment of Tanjung Lumpur, Kuantan, Malaysia, Malaysian Journal of Microbiology, 11 (2) pp.144-155

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 DNA barcoding and genetic variation in caged pangasiids in Pahang River Basin, Jurnal Teknologi, 77 (25) pp.31-36


2014 Studies on bactericidal efficacy of pumpkin (Cucurbita moschata Duchesne) peel, Journal of Coastal Life Medicine, 2 (2) pp.146-153

2014 Antimicrobial activity of banana (Musa paradisiaca L.) peels against food borne pathogenic microbes, Journal of Pure and Applied Microbiology, 8 (5) pp.3627-3639


2014 Antimicrobial activity of bBanana (Musa paradisiaca L.) peels against food borne pathogenic microbes, Journal of Pure and Applied Microbiology, 8 (5) pp.3627-3639


2013 Genetic diversity of horseshoe crab (*Tachypleus gigas*) in Malaysia revealed using microsatellite markers. Asian Journal of Animal and Veterinary Advances, 8 (1) pp.63-72

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 Distribution and abundance of gelatinous zooplankton along Tamil Nadu coastal waters. Journal of Biological Sciences, 13 (1) pp.18-25

2013 Growth and total carotenoid, chlorophyll a and chlorophyll b of tropical microalgae (*Isochrysis* sp.) in laboratory cultured conditions. Journal of Biological Sciences, 13 (1) pp.10-17


2013 Method development and validation of nitrofuran metabolites in shrimp by liquid chromatographic mass spectrometric system. Journal of Biological Sciences, 13 (1) pp.33-37


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 The distribution of selected metals in the surface sediment of Langkawi Coast, Malaysia, Oriental Journal of Chemistry, 28 (2) pp.725-732

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


2011 Molecular phylogeny of horseshoe crab, Asian Journal of Biotechnology, 3 (3) pp.302-309

2011 Heavy metal accumulation in commercially important fishes of south west Malaysian coast, Research Journal of Environmental Sciences, 5 (6) pp.595-602


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 Perception of Halalan and Toyyeban for fish and fisheries products, Halal Pages 2011/2012 pp.30-34

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 Spatial variation and community composition of phytoplankton along the Pahang estuary, Malaysia, Asian Journal of Biological Sciences, 4 (5) pp.468-476

2011 Heavy metal concentration in the surface sediment of Tanjung Lumpur mangrove forest, Kuantan, Pahang, Malaysia, Sains Malaysiana, 40 (2) pp.89-92

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 Bioaccumulation of selected metals in the blood cockle (Anadara granosa) from Langkawi Island, Malaysia, Oriental Journal of Chemistry, 27 (3) pp.979-984

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  **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  **Hydrology of the horseshoe crab nesting grounds at Pahang Coast, Malaysia**, *Oriental Journal of Chemistry*, 27 (4) pp.1475-1483


2010  **DNA barcoding of Stolephorus indicus, Stolephorus commersonnii and Terapon jarbua of Parangipettai Coastal Waters**, *Biotechnology*, 9 (3) pp.373-377


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  **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  **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  **Total phenolic content and primary antioxidant activity of methanolic and ethanolic extracts of aromatic plants’ leaves**, *International Food Research Journal*, 17 pp.1077-1084


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

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 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 Storage stability of fish oil from Langkawi Island, Malaysia. Food Science and Technology Research , 15 (6) pp.591-598


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

Conference or Workshop Item

2017 Bacteria communities in cage cultured Pangasius hypophthalmus in Pahang river, Malaysia. In: 10th Symposium on Diseases in Asian Aquaculture (DAA10)

2016 Heavy metals resistance bacteria in marine sediment of Pahang coastal water. In: 2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)


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 Common diseases of pangasius hypophthalmus farmed in Temerloh, Pahang, Malaysia. In: 2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)

2016 Quantification of pollution loads for the rehabilitation of Pusu River. In: International Conference on Engineering Technology (ICET 2016)


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<td>Smart system for real rime optimization of solid waste management in Malaysia</td>
<td>2015 International Conference of Clean Water, Air &amp; Soil</td>
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<td>5th International Conference of Advancement in Science And Technology (iCAST 2015)</td>
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<td>2014</td>
<td>Isolation and identification of microsatellite loci from climbing perch, Anabas testudineus.</td>
<td>Asian Fish Biodiversity Conference 2014 (AFBC 2014)</td>
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<td>2014</td>
<td>DNA barcoding of Arius species (Siluriformes: Ariidae) found in Peninsular Malaysia waters, using mitochondrial Cytochrome oxidase subunit I gene.</td>
<td>Asian Fish Biodiversity Conference 2014 (AFBC 2014)</td>
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<td>2014</td>
<td>A new hope to control foodborne diseases and pollution: potential antimicrobial activity of banana (Musa paradisiaca) peels against food borne pathogenic microbes.</td>
<td>International Research, Invention and Innovation Exhibition 2014 (IRIIIE2014)</td>
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<td>International Conference on Agriculture, Biology and Environmental Sciences (ICABES-14)</td>
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<td>International Conference on Natural Products 2014</td>
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<td>2014</td>
<td>Review on the status and future prospects of heavy metal pollution in Malaysian coastal waters.</td>
<td>Estuaries and Coastal protected areas</td>
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Selective isolation of rare actinomycetes from mangrove sediment of Tanjung Lumpur, Kuantan. In: International Congress of the Malaysian Society for Microbiology 2013

Seeds and peels – from by-products to potentially commercial antioxidants towards industrial biotechnology. In: Malaysia Technology Expo 2012 (MTE 2012)

Synthesis of fatty acid from locally isolated marine algae, Chaetocerosaffinis. In: Malaysian Science and technology Congress (MSTC 2012)

Minimizing impacts of climate change on coastal aquatic resources through the integrated mariculture. In: National Symposium on Climate Change Adaptation (CCA)

Macrobenthic community at nesting grounds of horseshoe crabs (Tachypleus gigas and Carcinoscorpius rotundicauda) at Pahang Coast, Malaysia. In: 10th International Annual Symposium (UMTAS 2011)

Fruit seeds and peels – from byproducts to potentially commercial antioxidants. In: IIUM Research, Invention and Innovation Exhibition 2011

Endo sensor bacterial endotoxin detector in liquid biological samples. In: 2nd International Conference on Biotechnology Engineering (ICBioE 2011)

Study on toxic chemicals in Kuantan (Pahang) River during pre and post monsoon season. In: The 24th Regional Symposium of Malaysia Analytical Sciences


Human pathogenic bacteria in marine fishes: (sea perch, lates calcarifer) and (red snapper, lutjanus sanguineus). In: International Conference on Aquatic Microbiology, (Status, Challenges, and Opportunities) - AMSCO 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)

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)


Antibacterial activities of Musa Acuminate L. peel. In: 3rd International Conference on Advancement in Science and Technology (iCAST) 2010
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)

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