

AHMED JALAL KHAN CHOWDHURY



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

- Ph.D in Aquaculture Biotechnology
- Master in Fish Biology
- Bachelor of Art in Fisheries

TEACHING RESPONSIBILITIES

| | |
|----------------------------------|---|
| AQUACULTURE | 2008/2009 2009/2010 2010/2011 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 |
| BIODIVERSITY | 2004/2005 2005/2006 2006/2007 2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 |
| BIOTECHNOLOGY, LAW AND ETHICS | 2004/2005 2005/2006 2006/2007 2007/2008 2009/2010 |
| ECOLOGICAL AQUACULTURE | 2018/2019 2019/2020 2020/2021 |
| ENVIRONMENTAL IMPACTS ASSESSMENT | 2015/2016 2016/2017 2018/2019 2019/2020 2020/2021 |
| ENVIRONMENTAL LAWS AND POLICIES | 2004/2005 2006/2007 |
| ENVIRONMENTAL MICROBIOLOGY | 2005/2006 2006/2007 2008/2009 2009/2010 2011/2012 |
| ENVIRONMENTAL SCIENCE | 2014/2015 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021 |
| Ecological Aquaculture | 2017/2018 |
| INTRODUCTORY MICROBIOLOGY | 2003/2004 2004/2005 2007/2008 2008/2009 |
| INTRODUCTORY TO MICROBIOLOGY | 2002/2003 |
| MARINE BIOLOGY | 2007/2008 2008/2009 2009/2010 2010/2011 |
| NUTRITION AND FEEDING | 2016/2017 |
| PROJECT SEMINAR | 2018/2019 2019/2020 |
| RESEARCH METHODOLOGY | 2004/2005 2005/2006 2006/2007 2007/2008 2008/2009 2009/2010 2010/2011 |

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

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|--------------------|--|
| 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
- 2014 - 2017** Pilot Study on the River Rehabilitation of Sg. Pusu
- 2014 - 2016** DNA Barcoding of Selected Commercial Fishes in Pahang River
- 2014 - 2018** Microbial Diversity of Pekan Peat Swamp Forest Soil and their Functional Potential Through Cultivation and Metagenomic Approach
- 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 - 2016** Screening of Mangrove Actinomycetes and Their Antimicrobial Potentials
- 2013 - 2015** Genetic Variation and DNA Barcoding of Endangered Fishes in Pahang River
- 2013 - 2015** Development of Adsorbent Materials from Selected Local Fruit Waste
- 2013 - 2016** Study on the Contamination of Najs Mutawassitah in Fish and Water of Kuantan River
- 2013 - 2018** Production of Non-Thermally Processed Alternative Ingredients for Halal Food Products
- 2012 - 2014** Growth and Survival of Malaysian Sport Fish *Tor tambroides* Fry by Applying Phototropic Bacteria as Feed Supplement.
- 2012 - 2015** Heavy metal and Antibiotic Resistance of the Bacterial Flora in Sediments of Coastal Water of Pahang, Malaysia
- 2012 - 2016** Modelling of longitudinal changes in bacterial community structure towards physico chemical and environmental factors along the Pahang river
- 2011 - 2014** (RU2011) Isolation, diversity, and antimicrobial screening of actinomycetes isolated from mangrove sediments in Tanjung Lumpur, Pahang
- 2011 - 2012** KVC Book Project 2011- Sustainable Utilization of Malaysian Agrowaste
- 2011 - 2013** (RU2011) Isolation, diversity, and antimicrobial screening of actinomycetes isolated from mangrove sediments in Tanjung Lumpur, Pahang
- 2011 - 2012** Diversity and Distribution of Plankton Communities in Kuantan, Pahang
- 2010 - 2011** Extraction and Characterization of Chitin and Chitosan Contents from Local Squid(s) and Tilapia Fish Scales
- 2010 - 2013** Chemoenzymatic Conversion of w-fatty acids extracted from Malaysian Giant Snakehead and catfish
- 2010 - 2013** Sigma subunit-Dependent adaptation of physiology and metabolic functions in Burkholderia for effective bioremediation process

- 2010 - 2012** DNA Barcoding Of Horse Shoe Crab, *Carcinoscopius Rotundicauda* And *Tachypleus Gigas* From Coastal Water Malaysia
- 2010 - -1** Extraction and Characterization of Chitin and Chitosan Contents from Local Squid(s) and Tilapia Fish Scales
- 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

Article

- 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** [Screening of biodegradation potential for n-alkanes and polycyclic aromatic hydrocarbon among isolates from the north-western tip of Pahang.](#) Desalination and Water Treatment (191)

- 2020** [Membrane retention potential of *Tachypleus gigas* during early embryogenesis.](#) Desalination and Water Treatment , 187 pp.17-23
- 2020** [Endophytic bacteria of *Anisophyllea disticha* \(Raja Berangkat\) from tropical lake environment in Malaysia.](#) Desalination and Water Treatment , 188 pp.282-287
- 2020** [Acute-lethal toxicity test on juvenile *Oreochromis niloticus* exposed to Piper betle extract under static exposure.](#) Ecofeminism and Climate Change pp.1-9
- 2020** [Isolation of heavy metal resistance bacteria from lake sediment of IIUM, Kuantan.](#) Desalination and Water Treatment , 188 pp.431-435
- 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** [Ecology, ecosystem & conservation biology.](#) Journal of Environmental Biology , 40 (3) pp.407-408
- 2019** [Evaluation of green solution potentials of unripe banana \(*musa sapientum*\) peel biomass.](#) Acta Scientifica Malaysia (ASM) , 3 (1) pp.9-16
- 2019** [Green turtle nesting activity in Penang Island from 2010 to 2016.](#) Journal of Sustainability Science and Management , 14 (5) pp.26-42
- 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** [Assessment of bacteria and water quality parameters in cage cultured *Pangasius hypophthalmus* in Temerloh, Pahang River, Malaysia.](#) Nature, Environment and Pollution Technology (NEPT) , 18 (5 Special Issue) pp.1479-1486
- 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
- 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** [Urban road traffic flow control under incidental congestion as a function of accident duration.](#) Open Physics , 16 (1) pp.1085-1093
- 2018** [The ethical significance of antibiotic resistance towards aquaculture practices.](#) International Medical Journal Malaysia , 17 (Special Issue 2) pp.295-301
- 2018** [Islamic ethics of waste management towards sustainable environmental health.](#) The International Medical Journal Malaysia , 17 (Special Issue 1) pp.193-197
- 2018** [Distribution, abundance, and clutch size of hawksbill turtle nests in Melaka, Malaysia.](#) Malaysian Applied Biology , 47 (3) pp.29-38
- 2018** [Diversity and community composition of fishes in the Pusu River Gombak, Malaysia.](#) Journal of Coastal Research , Special Issue 82 Fall pp.150-155
- 2018** [Macrobenthic diversity and community composition in the Pahang Estuary, Malaysia.](#) Journal of Coastal Research , Special Issue 82 Fall pp.206-211
- 2018** [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
- 2018** [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
- 2018** [Time series data intelligent clustering algorithm for landslide displacement prediction.](#) Journal of Intelligent & Fuzzy Systems , 35 (4) pp.4131-4140

- 2018** [The discovery of physical properties of food waste in composting process..](#) International Journal of Engineering & Technology , 7 (2.29) pp.460-468
- 2018** [Assessing nesting status of green turtles, Chelonia Mydas in Perak, Malaysia.](#) Tropical Life Sciences Research , 29 (1) pp.155-171
- 2018** [Bacterial population study in oil-contaminated and uncontaminated soils.](#) Journal Clean WAS (JCleanWAS) , 2 (2) pp.6-9
- 2017** [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
- 2017** [Environmental characteristics of clay and claybased minerals.](#) Geology, Ecology, and Landscapes , 1 (3) pp.155-161
- 2017** [Evaluation of graphical and multivariate statistical methods for classification and evaluation of groundwater in Alathur block, Perambalur District, India.](#) Applied Ecology and Environmental Research , 15 (3) pp.105-116
- 2017** [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
- 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** [Between the bioactive extracts of edible mushrooms and pharmacologically important nanoparticles: Need for the investigation of a synergistic combination - A mini review.](#) Asian Journal of Pharmaceutical and Clinical Research , 10 (3) pp.13-24
- 2017** [PCB biodegradation using bacteria isolated from landfill leachate.](#) Science Heritage Journal , 1 (2) pp.7-10
- 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** [Study on physicochemical parameters and distribution of phytoplankton in Kuantan estuary, Pahang.](#) Environment and Ecosystem Science , 1 (1) pp.8-12
- 2017** [Evolution of human from primates - A review on religio-scientific discourse.](#) Malayan Nature Journal , 69 pp.357-368
- 2017** [Comparative study on spoilage and pathogenic bacteria in selected commercial marine and freshwater fishes.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S298-S304
- 2017** [\$\alpha\$ -glucosidase inhibitors isolated from Mimosa pudica L..](#) Natural Product Research , 33 (10) pp.1495-1499
- 2016** [Biosorption of Pb and Cu from aqueous solution using banana peel powder.](#) Desalination and Water Treatment , 57 (1) pp.303-314
- 2016** [Morphological variations of plicofollis species \(Siluriformes: Ariidae\) in peninsular Malaysia: An insight into truss network approach.](#) Sains Malaysiana , 45 (1) pp.1-7

- 2016** [Flooding impact on distribution of pathogenic bacteria in Pahang River.](#) The International Medical Journal of Malaysia , 15 (Supplement Issue) pp.11-11
- 2016** [Biotechnological potential of Kuantan mangrove actinomycete, Micromonospora K3-13.](#) The International Medical Journal Malaysia , 15 (Supplement Issue) pp.108-108
- 2016** [Impact of improper land use changes on flash flood and river system: a case of Sg Pusu.](#) ARPN Journal of Engineering and Applied Sciences , 11 (8) pp.5372-5379
- 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
- 2016** [Persistence of chloramphenicol in the fish flesh patin \(*Pangasius hypothalamus*\) and tilapia \(*Oreochromis niloticus*\).](#) International Medical Journal of Malaysia , 15 (supplement) pp.110
- 2016** [Selective isolation and antagonistic activity of actinomycetes from mangrove forest of Pahang, Malaysia.](#) Frontiers in Life Science , Vol. 9 (1) pp.24-31
- 2016** [Can canola meal and soybean meal be used as major dietary protein sources for kuruma shrimp, *Marsupenaeus japonicus*?](#) Aquaculture , 452 pp.194-199
- 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** [Synthesis, spectroscopic and chromatographic studies of sunflower oil biodiesel using optimized base catalyzed methanolysis.](#) Saudi Journal of Biological Sciences , 22 (3) pp.332-339
- 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** [Impact of chitosan composites and chitosan nanoparticle composites on various drug delivery systems: a review.](#) Journal of Food and Drug Analysis , 23 (4) pp.619-629
- 2015** [DNA barcoding and genetic variation in caged pangasiids in Pahang River Basin.](#) Jurnal Teknologi , 77 (25) pp.31-36
- 2014** [Particle formation and micronization using non-conventional techniques- review.](#) Chemical Engineering and Processing: Process Intensification , 86 (2014) pp.47-52
- 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** [Water Quality and Plankton Composition of Amblypharyngodon mola Monoculture Fish Pond in Bangladesh.](#) International Journal of Emerging Trends in Science and Technology , 1 (7) pp.1005-1014
- 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
- 2014** [Population parameters of Rastrelliger kanagurta \(Cuvier, 1816\) in the Marudu Bay, Sabah, Malaysia.](#) Iranian Journal of Fisheries Sciences , 13 (2) pp.262-275
- 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
- 2013** [The potential role of Red Tilapia \(Oreochromis niloticus\) scales: allergic reaction test in mice.](#) Journal of Applied Pharmaceutical Science , 3 (10) pp.45-50
- 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** [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** [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** [Limnological parameters affecting monthly abundance of Chironomid larvae in a fish pond and their role in the diet of catfish, *Clarias batrachus*.](#) Journal of Biological Sciences , 13 (1) pp.1-9
- 2013** [Method development and validation of nitrofurans metabolites in shrimp by liquid chromatographic mass spectrometric system.](#) Journal of Biological Sciences , 13 (1) pp.33-37
- 2012** [Isolation and screening of lactic acid bacteria, *Lactococcus lactis* from *Clarias gariepinus* \(African catfish\) with potential use as probiotic in aquaculture.](#) African Journal of Biotechnology , 11 (29) pp.7494-7499
- 2012** [What is the best proportion of fish meal and soybean meal for better growth and survival of *Macrobrachium rosenbergii* post Larvae? .](#) Asian Journal of Animal Sciences , 6 (4) pp. 203-208
- 2012** [Studies on water quality and pathogenic bacteria in coastal water Langkawi, Malaysia.](#) Journal of Environmental Biology , 33 (4) pp.831-835
- 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** [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** [Diversity and distribution of fishes in tropical estuary Kuantan, Pahang, Malaysia .](#) Pakistan Journal of Biological Sciences , 15 (12) pp.576-582
- 2012** [Feeding ecology and food preferences of *Carcinoscorpius rotundicauda* collected from the Pahang nesting grounds.](#) Sains Malaysiana , 41 (7) pp.855-861
- 2012** [Massive mortality associated with *Streptococcus agalactiae* Infection in Cage-cultured Red Hybrid Tilapia *Oreochromis niloticus* in Como River, Kenyir Lake, Malaysia.](#) Journal of Biological Sciences , 12 (8) pp.438-442
- 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** [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** [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** [Artificial seagrass: a habitat for marine fishes.](#) Journal of Fisheries and Aquatic Science , 6 (1) pp.85-92
- 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** [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** [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** [Efficiency of Universal Barcode Gene \(Coxi\) on morphologically cryptic mugilidae fishes delineation.](#) Trends in Applied Sciences Research , 6 (9) pp.1028-1036
- 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** [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
- 2010** [DNA barcoding of *Stolephorus indicus*, *Stolephorus commersonii* and *Terapon jarbua* of Parangipettai Coastal Waters.](#) Biotechnology , 9 (3) pp.373-377
- 2010** [DNA barcoding of *Lates calcarifer* \(Bloch, 1970\).](#) Research Journal of Biological Sciences , 5 (6) pp.414-419
- 2010** [Mechanism in the clot formation of horseshoe crab blood during bacterial endotoxin invasion.](#) Journal of Applied Sciences , 10 (17) pp.1930-1936
- 2010** [Spatial distribution of organic carbon contents of Langkawi island coastal waters, Malaysia.](#) Oriental Journal of Chemistry , 26 (3) pp.851 -855
- 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** [Antibiotic resistance microbes in tropical mangrove sediments, East Coast Peninsular, Malaysia.](#) African Journal of Microbiology Research , 4 (8) pp.640-645
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