

# SHAHBUDIN BIN SAAD



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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## ACADEMIC QUALIFICATION

- Doctor of Philosophy in Engineering
- Masters of Science in Oceanography
- Bachelor of Science (Honours)

## TEACHING RESPONSIBILITIES

ATMOSPHERE, OCEAN AND CLIMATE	2015/2016 2016/2017 2017/2018
COASTAL AND ESTUARIES MANAGEMENT	2016/2017
COASTAL GEOMORPHOLOGY AND PROCESSES	2016/2017 2017/2018 2018/2019
INTEGRATED COASTAL ZONE MANAGEMENT	2016/2017 2017/2018 2018/2019 2020/2021
MARINE ECOLOGY	2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017
MARINE EXPEDITION	2018/2019
NATURAL RESOURCES MANAGEMENT	2009/2010 2011/2012
OCEANOGRAPHY	2007/2008 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015
PHYSICAL OCEANOGRAPHY	2014/2015 2015/2016
TROPICAL MARINE ECOSYSTEM	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020

## RESEARCH PROJECTS

### In Progress

- 2017 - Present** - Field measurements and numerical approach of rip current hazards at the selected recreational beaches along Pahang coastline
- 2016 - Present** - Implications of Current Pattern on Dispersal of oral Larvae in Isolated Reef near Balok Coastal Area
- 2016 - Present** - Assessment of Shoreline Changes along Pahang beaches with Respect to Distinct Morphological Features

**2004 - Present**

Functional Food and Nutraceuticals Research Unit (FFNRU)

**Completed**

- 2015 - 2017** Innovative Fish Feeding System using a computer control Program with the Video Image Processing System and Fish Behaviour Patterns
- 2014 - 2015** Fundamental Study on the Optimum Growth Condition of Seaweed, *Gracilaria Manilaensis* under Different Salinities, Ph and Light Intensities
- 2014 - 2016** Effect of Current on Coral Recruitment Pattern in Tioman Island, Pahang
- 2013 - 2015** Study on Properties and Composition of Live Rocks towards Potential Artificial Reef for Marine Habitat Restoration
- 2012 - 2013** Asian Seabass Seed Production Using a Demand Feeding System
- 2012 - -1** Asian Seabass Seed Production Using a Demand Feeding System
- 2012 - 2014** Species Diversity of Marine Phytoplankton with Emphasis on Harmful Algal Bloom (HAB) Species in Coastal Area of Peninsular Malaysia
- 2012 - 2014** Innovative Fish Rearing System with the Least Physiological Stress using Optimum Light Wavelength and light Intensity
- 2012 - 2014** Study on Spatio-temporal Variation of Scleractinian Coral Recruitment Towards Sustainable Coral Reef Conservation in Pulau Tioman and Balok, Pahang
- 2011 - 2013** (RU2011) Temporal variation in condition factor, length-weight relationship, and gonadosomatic index of seabass (*Lates calcarifer*) in coastal water of Pahang
- 2011 - 2013** (RU2011) The identification and distribution of Benthic Dinoflagellates living on different seagrass species in Pulau Kapas, Terengganu
- 2011 - 2013** Optimum Light Intensity for Larval Rearing of Tiger Grouper
- 2011 - 2018** (RU2011) Prediction of wave dynamics at certain Pahang Beaches
- 2010 - 2013** Isolation, Purification and Elucidation of Active Antimicrobial Compound/s from Malaysian Sponge *Neopetrosia Exigua* (kirkpatrick)
- 2010 - 2013** Evaluation of wound healing properties of *acrostichum* using in vivo and in vitro techniques
- 2010 - 2012** Preliminary study of wound healing properties from selected mangrove ferns in matang mangrove, perak
- 2009 - 2010** Antimicrobial properties of Malaysia sponge and corals
- 2009 - 2010** Studies on Water Quality and Fish Communities in the Kuantan Estuary Pahang Malaysia
- 2009 - 2010** Antimicrobial Properties of Malaysian Sponges and Corals
- 2007 - 2010** Sediment Accretion and Sediment Characteristics of Pahang Estuarine Mangrove

- 2007 - 2010** Assessment of Heavy Metals concentration in Marine Commercial fishes of Pahang Estuary
- 2007 - 2010** Geochemical and Sedimentological Characteristics Studies of Pahang Estuary, Malaysia
- 2006 - 2012** Studies on Mangrove in Pulau Toba, Langkawi

## PUBLICATIONS

### Article

- 2020** [Dispersal pattern of coral larvae in Kuantan coastal waters, Malaysia.](#) Science Heritage Journal (GWS) , 4 (1) pp.13-18
- 2020** [Comparison of 3D coral photogrammetry and coral video transect for coral lifeform analysis using low-cost underwater action camera.](#) ASEAN Journal on Science & Technology for Development , 37 (1) pp.15-20
- 2020** [Hydrodynamic modelling in inshore reef area within Kuantan coastal region.](#) Journal Clean WAS (JCleanWAS) , 4 (1) pp.1-7
- 2020** [Broadcast spawning pattern of \*Acropora cytherea\* and \*Acropora clathrata\* from Inshore Reef Area in Kuantan Coastal Region.](#) Science Heritage Journal , 4 (2) pp.32-36
- 2019** [Diversity and abundance of scleractinian corals in the East Coast of Peninsular Malaysia: a case study of Redang and Tioman Islands.](#) Ocean Science Journal , 54 (3) pp.435-456
- 2019** [Assessment of benthic and coral community structure in an inshore reef in Balok, Pahang, Malaysia.](#) Journal of Biological Diversity (BIODIVERSITAS) , 20 (3) pp.872-877
- 2019** [Coral community structure in Payar Island Marine Park, Malaysia.](#) Journal of Sustainability Science and Management , 14 (1) pp.29-39
- 2019** [Science@IIUM Issue 2.](#) SCIENCE@IIUM (2) pp.1-40
- 2019** [Substrate preferences and effects of medium with soil extract on growth of genus \*Coolia\* \(Dinophyceae\).](#) Journal of Sustainability Science and Management , 14 (2) pp.71-81
- 2018** [The potential of dried and fresh extracts of \*Sansevieria trifasciata\* to mitigate \*Alexandrium tamiyavanichii\*, a toxic dinoflagellate.](#) Science Heritage Journal , 2 (1) pp.18-20
- 2017** [Relationship between adult abundance and successive coral recruitment density in the Tioman Island Marine Park, Malaysia.](#) Zoology and Ecology , 27 (3-4) pp.328-334
- 2017** [Aggressive behaviour of African catfish \*clarias gariepinus\* juveniles under different light intensities and light wavelengths.](#) Malaysian Applied Biology , 46 (4) pp.7-13

- 2017** [Taxonomic status of Euphylliidae corals in Peninsular Malaysia based on morphological structures and phylogenetic analyses using mitochondrial COI gene.](#) Russian Journal of Marine Biology , 43 (2) pp.118-126
- 2017** [Species diversity and abundance of Euphylliidae \(Cnidaria: Anthozoa:Scleractinia\) corals in Tioman, Redang and Payar Islands, Peninsular Malaysia.](#) Borneo Journal of Marine Science and Aquaculture , 1 pp.51-56
- 2017** [Current status of coral reefs in Tioman Island, Peninsular Malaysia.](#) Turkish Journal of Zoology , 41 (2) pp.294-305
- 2017** [Taxonomic status of Euphylliidae corals in Peninsular Malaysia based on morphological structures and phylogenetic analyses using Mitochondrial COI Gene1.](#) Russian Journal of Marine Biology , 43 (2) pp.118-126
- 2017** [Optimum light wavelength and light intensity for rearing juvenile African Catfish \(Clarias gariepinus\).](#) International Journal of Aquatic Science , 8 (2) pp.107-112
- 2017** [Study on physicochemical parameters and distribution of phytoplankton in Kuantan estuary, Pahang.](#) Environment and Ecosystem Science , 1 (1) pp.8-12
- 2016** [Comparison on the cell abundance of benthic dinoflagellates in macrophytes and water column collected from open coastal waters and semi-enclosed lagoon = Perbandingan kelimpahan sel dinoflagelat bentos pada makrofit dan turus air yang diambil dari pesisir terbuka dan teluk semi tertutup.](#) Sains Malaysiana , 45 (4) pp.595-599
- 2016** [Observations on nudibranch behaviour patterns under laboratory conditions.](#) Jurnal Teknologi , 78 (11) pp.167-171
- 2016** [Fatty acids as biological markers for symbiotic bacteria in Phyllidia varicosa and Phyllidiella pustulosa.](#) Malaysian Applied Biology , 45 (2) pp.23-28
- 2016** [Antimicrobial alkaloids isolated from marine sponges - Minireview.](#) Journal of Basic and Applied Research , 2 (1) pp.1-7
- 2016** [Diversity and distribution of coral lifeforms in Tioman Island.](#) Transactions on Science and Technology , 3 (2-2) pp.367-373
- 2016** [The effect of current on coral growth form in selected areas of Tioman Island, Pahang.](#) Transactions on Science and Technology , 3 (2-2) pp.393-400
- 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** [Antimicrobial alkaloids isolated from marine sponges-Minireview.](#) Journal of Basic and Applied Research , 2 (1) pp.1-7
- 2015** [First report of cochlodinium polykrikoides \(dinophyceae\), a harmful algal bloom \(HAB\) species in the coastal waters of peninsular Malaysia.](#) Malaysian Journal of Science , 34 (1) pp.87-92
- 2015** [The effects of different ph and salinities on growth rate and carrageenan yield of gracilaria manilaensis.](#) Jurnal Teknologi , 77 (25) pp.1-5
- 2015** [Beach morphodynamics of different morphological setting along Teluk Chempedak to Kuala Pahang, Malaysia.](#) Jurnal Teknologi , 77 (25) pp.51-56

- 2015** [The potential of artificial live rock as substrate for coral spat and epibenthic organisms.](#) Jurnal Teknologi , 77 (25) pp.25-29
- 2015** [Identification and phylogenetic inference in different molluscs nudibranch species via mitochondrial 16S rDNA.](#) Brazilian Journal of Biological Sciences , 2 (4) pp.295-302
- 2015** [Scleractinian coral recruitment density in coastal water of Balok, Pahang, Malaysia.](#) Jurnal Teknologi , 77 (25) pp.13-18
- 2015** [Diversity and distribution of euphyllidae corals in tioman island: Emphasis on the genetic variation of euphyllia cristata.](#) Jurnal Teknologi , 77 (24) pp.17-22
- 2015** [Beach-face morphodynamics of different morphological setting along Teluk Chempedak to Kuala Pahang, Malaysia.](#) Jurnal Teknologi , 77 (25) pp.51-56
- 2015** [Development of suspended particulate matter empirical equation for tropics estuary from landsat ETM+ data.](#) ASEAN Journal on Science and Technology for Development , 31 (2) pp.102-112
- 2015** [Assessing the potential of mangrove educotourism to marine protected area: a case of Tioman and Tulai Islands, Pahang, Malaysia.](#) Natural Resources , 6 pp.442-449
- 2014** [Optimizing the biodegradation of 3,4-Dichlorobenzoic acid by Corynebacterium jeikeium.](#) International Journal of Biology , 6 (3) pp.54-63
- 2014** [Egg hatching rates of brown-marbled grouper, Epinephelus fuscoguttatus under different light wavelengths and intensities.](#) Malaysian Journal of Science , 33 (2) pp.40-44
- 2014** [Antimicrobial activity of three hard coral species from South China Sea \(Malaysia\).](#) SYLWAN Journal , 158 (4) pp.20-25
- 2013** [Diversity of phytoplankton in coastal water of Kuantan, Pahang, Malaysia.](#) Malaysian Journal of Science , 32 (1) pp.29-37
- 2013** [Wound healing properties of ethanolic extract of acrostichum aureum and acrostichum speciosum rhizome in rats.](#) Journal of Tropical Resources and Sustainable Science , 1 (2) pp.42-48
- 2013** [Antimicrobial activity of mangrove plant Acrostichum Speciosum.](#) Journal of Pure and Applied Microbiology , 7 pp.253-257
- 2013** [Reduced cannibalistic behavior of African catfish, clarias gariepinus, larvae under dark and dim conditions.](#) Zoological Science , 30 (6) pp.421-424
- 2012** [Light intensity requirements for feeding behaviour by the brown-marbled grouper, Epinephelus fuscoguttatus \(Keperluan Keamatan Cahaya untuk Perlakuan Pemakanan Ikan Kerapu Harimau, Epinephelus fuscoguttatus\).](#) Sains Malaysiana , 41 (10) pp.1193-1196
- 2012** [In vitro antimicrobial activity of mangrove plant Sonneratia alba.](#) Asian Pacific Journal of Tropical Medicine , 2 (6) pp.427-429
- 2012** [Retinomotor response in the larvae of brown-marbled grouper, Epinephelus fuscoguttatus .](#) Journal of Fisheries and Aquatic Science , 7 (3) pp.233-239

- 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** [Retinomotor response in larvae of brown-marbled grouper, \*Epinephelus fuscoguttatus\* \(Forsskal\) .](#) *Journal of Fisheries and Aquatic Science* , 7 (3) pp.233-239
- 2012** [Impact of coastal development on mangrove cover in Kilim river, Langkawi Island, Malaysia.](#) *Journal of Forestry Research* , 23 (2) pp.185-190
- 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** [Temporal and spatial distribution of harmful algal bloom \(HAB\) species in coastal waters of Kota Kinabalu, Sabah, Malaysia.](#) *Harmful Algae* , 10 (5) pp.495-502
- 2011** [Antioxidant properties of soft coral \*Dendronephthya\* sp.](#) *International Journal of Pharmacology* , 7 (2) pp.263-267
- 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** [Heavy metal concentration in the surface sediment of Tanjung Lumpur mangrove forest, Kuantan, Pahang, Malaysia.](#) *Sains Malaysiana* , 40 (2) pp.89-92
- 2011** [Antimicrobial activity of mangrove plant \(\*Lumnitzera littorea\*\).](#) *Asian Pacific Journal of Tropical Medicine* , 4 (7) pp.523-525
- 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** [Documentation of three sponge species belong to the family of Petrosiidae.](#) *Australian Journal of Basic and Applied Sciences* , 5 (12) pp.1047-1053
- 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** [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
- 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 [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 [Antibiotic resistance microbes in tropical mangrove sediments, East Coast Peninsular, Malaysia.](#) African Journal of Microbiology Research , 4 (8) pp.640-645
- 2010 [Antifungal and antibacterial activities of four Malaysian sponge species \(\*petrosiidae\*\).](#) Journal de Mycologie Médicale / Journal of Medical Mycology , 20 (4) pp.315-320
- 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 [Geochemical proxy of sediment cores from Terengganu coastal water, Malaysia.](#) Oriental Journal of Chemistry , 25 (1) pp.9-14
- 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 [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 [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

#### Conference or Workshop Item

- 2019 [Demand feeding system using image processing program and fish behavior.](#) In: **International Conference on Oceanography and Sustainable Marine Production: Local and Global Challenges (ICOSMaP 2019)**
- 2019 [Harmful algal blooms: a Malaysian scenario.](#) In: **International Conference on Marine and Coastal Engineering and Sciences 2019**
- 2019 [High growth rate using new type demand feeding system with image processing program and fish behavior..](#) In: **2019 ASEAN-FEN 9th International Fisheries Symposium (IFS2019): A New Horizon in Fisheries and Aquaculture Through Education, Research and Innovation**
- 2019 [Comparison of 3d coral photogrammetry \(cp\) and coral video transect \(cvt\) for coral lifeform analysis using low cost underwater action camera.](#) In: **International Conference on Oceanography and Sustainable Marine Production (ICOSMAP) 2019**

- 2019 [Broadcast spawning pattern of acropora cytherea and acropora clathrata from inshore reef area in Kuantan coastal region.](#) In: **International Conference on Oceanography and Sustainable Marine Production (ICOSMAP) 2019**
- 2018 [Demand feeding device using a video processing system and fish behavior as parameter for a computer program to control feeding time and amount.](#) In: **International Conference on Agriculture, Animal Sciences and Food Technology (ICAFT) 2018**
- 2017 [Best growth condition for Gracilaria Manilaensis \(rhodophyta\) under different salinities, Ph and light intensities and its type of carrageenan.](#) In: **Asian Pacific Aquaculture 2017 (APA17)**
- 2016 [Vertical and horizontal distribution of sand-dwelling dinoflagellates from Dinawan Island, Sabah, Malaysia.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)**
- 2016 [Fish welfare: Improving fish culture method through modification of the light conditions.](#) In: **2nd World Congress on Integration Islamicisation: Focus On Medical & Health Care Sciences 2016 (2WCII-2016)**
- 2016 [The effect of current on coral growth form on selected area in East Coast and West Coast of Tioman Island.](#) In: **International Conference on Marine Science and Aquaculture (ICOMSA) 2016**
- 2016 [Coral lifeforms diversity and distribution at selected places in west coast and East Coast of Tioman Island.](#) In: **International Conference on Marine Science and Aquaculture (ICOMSA) 2016**
- 2016 [Estimating dispersal of coral larvae for ecosystem management in Tioman island.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMAP) 2016**
- 2016 [Influence of currents to temporal variation of brooder spawner corals recruitment density in Bidong Island, Malaysia.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMAP) 2016**
- 2016 [Community structure of reef corals in Payar Island, Malaysia.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)**
- 2016 [Current status of Euphylliidae corals in marine protected areas of Tioman, Redang and Payar Islands, Malaysia.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 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 [The effects of light wavelengths and light intensities on the aggressive behaviour of African catfish Clarias gariepinus juveniles.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)**
- 2015 [The effect of current in scleractinian coral recruit dispersal on artificial substrates.](#) In: **5th International Conference on Advancement in Science and Technology (iCAST 2015)**



- 2014 [Diversity and distribution of scleractinian and non-scleractinian corals at selected areas in Tioman Island, Malaysia.](#) In: **3rd International Conference on Applied Life Sciences (ICALS2014)**
- 2014 [Diversity and distribution of scleractinian and non-scleractinian corals at selected areas in Tioman Island.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2013 [New record of Cochlodinium SP.in Perak coastal water of Peninsular Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate**
- 2013 [Spatio-temporal variation of Scleractinian coral recruitment on terra-cotta tiles and artificial live rock in Tioman Island, Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 2013 [Study on suspended sediment and ammonia distribution pattern in Tioman Island.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 2013 [Study on coral diversity and distribution at four selected areas in Tioman Island, Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 2013 [The properties of ceramic materials as artificial substrate for coral rehabilitation and restoration.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 2013 [New record of Cochlodinium sp. in Perak coastal water of Peninsular Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 2013 [Mangrove distribution in Tioman and Tulai Island, Pahang, Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production: A Challenge of Managing Marine Resources in a Changing Climate (ICOSMaP) 2013**
- 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**
- 2012 [Complete derivation of 2D shallow-water model from the primitive equations governing geophysical flows.](#) In: **8th International Conference on Marine Technology**
- 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 [In vitro evaluation of wound healing properties of fractions and extracts of Acrostichum Aureum Linné and A. Speciosum Willd.](#) In: **International Science Postgraduate Conference 2012 (ISPC 2012)**

- 2012 [A comparison study of sessile benthic community of coral reefs between Benuang Bay and Renggis Island, Tioman.](#) In: **Seminar Kebangsaan Status Biodiversiti Marin di Kepulauan dan Pesisiran Pantai Malaysia 2012**
- 2012 [Cell abundance and diversity of phytoplankton in coastal water of Tioman Island.](#) In: **Seminar Kebangsaan Status Biodiversiti Marin di Kepulauan dan Pesisiran Pantai Malaysia 2012**
- 2012 [Mangrove distribution in Tioman and Tulai Island, Pahang, Malaysia.](#) In: **Seminar Kebangsaan Status Biodiversiti Marin di Kepulauan dan Pesisiran Pantai Malaysia 2012**
- 2012 [Evaluation of artificial reef in Tioman Island.](#) In: **Seminar Kebangsaan Status Biodiversiti Marin di Kepulauan dan Pesisiran Pantai Malaysia 2012**
- 2011 [Minimizing impacts of climate change on coastal aquatic resources through the integrated mariculture.](#) In: **National Symposium on Climate Change Adaptation (CCA)**
- 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 [Isolation of antibacterial compounds from dichloromethane fraction of Malaysian sponges \*Neopetrosia exigua\*.](#) In: **International Conference on Advancement in Science and Technology (iCAST2010): The Science of Traditional Practices in Health and Disease**
- 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 [Bioassay-direct fractionation and contact bioautography technique for antimicrobial activities of marine sponge.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2009 [Sediment characteristics of Tanjung Lumpur mangrove forest, Pahang.](#) In: **JSPS-VCC Core University Program International Seminar on Wetland and Sustainability**
- 2009 [Mangrove distribution in Kilim River, Langkawi.](#) In: **JSPS-VCC Core University Program International Seminar on Wetland and Sustainability**
- 2009 [Impact of coastal development on mangrove distribution in Kuantan, Pahang.](#) In: **JSPS-VCC Core University Program International Seminar on Wetland and Sustainability**
- 2009 [Antimicrobial activities of marine sponge using bioassay-direct fractionation and contact bioauthography technique.](#) In: **Bandung International Conference on Medicinal Chemistry**
- 2009 [Antibacterial activities of sponge and coral species collected from Malaysia sea water.](#) In: **23rd MSPP Scientific Meeting**

- 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)**
- Book  
Book Section**
- 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
- 2011 [Phytoplankton communities in aquaculture potential Penor river Pahang Malaysia.](#) In: **Aquaculture and the environment: Present status and future challenges** IIUM Press . ISBN 978-967-418-197-0 , pp.225-238
- 2011 [Beach profile .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.80-89
- 2011 [Littoral environmental observation .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.90-96
- 2011 [Grain-size analysis .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.97-112
- 2011 [Suspended sediment in coral reef area .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.113-117
- 2011 [Line intercept transect .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.118-126
- 2011 [Coral recruitment .](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.127-131
- 2011 [Coral reef fish assemblages.](#) In: **Basic knowledge in marine sciences** IIUM Press . ISBN 9789674181994 , pp.132-136
- 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