

# MOHD FUAD BIN MISKON



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
- Email address: [fuadm@iium.edu.my](mailto:fuadm@iium.edu.my)

## ACADEMIC QUALIFICATION

- DOCTOR OF PHILOSOPHY (BIOSCIENCES)
- Master of Science (Marine Science)
- 

## TEACHING RESPONSIBILITIES

BASIC NAVIGATION AND SEAMANSHIP	2016/2017 2018/2019
CHEMICAL OCEANOGRAPHY	2016/2017 2017/2018 2018/2019 2020/2021
CLIMATE CHANGE ADAPTATION	2019/2020
ENVIRONMENTAL SCIENCE	2016/2017
ENVIRONMENTAL TOXICOLOGY	2016/2017 2018/2019
FINAL YEAR PROJECT (2)	2020/2021
Fisheries Oceanography	2018/2019 2019/2020 2020/2021
Fishing Port and Management	2019/2020 2020/2021
MARINE ELECTRONIC AND INSTRUMENTATION	2016/2017 2017/2018 2020/2021
MARINE EXPEDITION	2019/2020 2020/2021
MARINE POLLUTION	2017/2018 2018/2019

## RESEARCH PROJECTS

### In Progress

- |                       |   |
|-----------------------|---|
| <b>2021 - Present</b> | Ocean Climate Change: Potential Risk , Impact and Adaptation Towards Marine and Coastal Ecosystem Services in Malaysia  |
| <b>2019 - Present</b> | Microplastics Fate Off South China Sea and Strait of Malacca Waters: Adopting Rock Oyster <i>Saccostrea Cucullata</i> as Bioindicator to Monitor Large Area Impact on Malaysian Health and Fisheries Sector |
| <b>2019 - Present</b> | Geospatial methodology for assessing physico-chemical properties of oxisols on ex - bauxite mining and oil palm cultivated area.  |

- 2019 - Present** Responses of chemical weathering towards estuarine system: A climate change effect
- 2019 - Present** Microplastics Abundance Assessment in Kuantan Waters: A Field Study using Bioindicator to Investigate Impact to Human Health
- 2019 - Present** Relearn Plastic Through Marine Debris Monitoring and Assessment Using Standing-Stock Survey Method At Selected Beaches Along Pahang Coastline
- 2018 - Present** Comparison of Biological Aspects of Torpedo Scad (*Megalaspis cordyla*) from the East and the West Coastal Water of Peninsular Malaysia
- 2016 - Present** Spatial Assesment on Dissolved and Particulate Toxic Elements Distribution in Kuantan River, Pahang using Artifical Neural network Approach
- 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
- Unknown - Present** Microplastics Abundance Assessment in Kuantan Waters: A Field Study using Bioindicator to Investigate Impact to Human Health
- Unknown - Present** Assessing Microplastics Abundance in Kuantan River Water, Emphasis on Spatial Variation and Covid-19 Pandemic Environmental Effect
- Completed**
- 2016 - 2019** Spatial Assesment on Dissolved and Particulate Toxic Elements Distribution in Kuantan River, Pahang using Artifical Neural network Approach

## PUBLICATIONS

### Article

- 2020** [Fractionation of rare earth elements in surface sediment of Peninsular Malaysia coastal waters.](#) Asian Journal of Chemistry , 33 (1) pp.166-170
- 2019** [Assessment of trace metals using chemometric analysis in Kuantan River, East Coast Malaysia.](#) Journal Clean WAS (JCleanWAS) , 3 (2) pp.1-4
- 2019** [Distribution pattern of rare earth elements in soft tissue of saccostrea cucullata in Terengganu and East Johor coastal waters.](#) Journal Clean WAS (JCleanWAS) , 3 (2) pp.14-19
- 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** [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** [Numerical modelling for caterers' grading system in Pahang.](#) International Journal Of Current Research , 10 (5) pp.68896-68903
- 2018** [An artificial neural network approach on catering premises inspection in Pahang state.](#) International Journal of Current Research , 10 (4) pp.67958-67965

- 2017** [Spatial and temporal variation on distributions of dissolved and particulate arsenic and mercury in Sungai Kuantan, Pahang = Perbezaan temporal dan ruwang 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** [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** [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** [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
- 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
- 2014** [Trace metals in Thais clavigera along coastal waters of the East Coast of Peninsular Malaysia.](#) Sains Malaysiana , 43 (4) pp.529-534
- 2013** [Trace metals and rare earth elements in Rock Oyster Saccostrea cucullata along the east coast of Peninsular Malaysia.](#) Aquatic Ecosystem Health and Management , 16 (1) pp.78-87
- 2012** [The distribution of selected metals in the surface sediment of Langkawi Coast, Malaysia.](#) Oriental Journal of Chemistry , 28 (2) pp.725-732

#### **Conference or Workshop Item**

- 2014** [Rare earth elements determination in rocky shore gastropod thais clavigera.](#) In: **2014 4th International Conference on Biotechnology and Environment Management (ICBEM 2014)**

#### **Book**

- 2018** [Coastal ecology of Pahang water \(South China Sea\).](#) IIUM Press . ISBN 978-967-418-704-0

#### **Book Section**