

MOHD ZAINI BIN MUSTAPA



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

ACADEMIC QUALIFICATION

- Ph.D (Biosciences)
- M.Sc.
- Marine Science

TEACHING RESPONSIBILITIES

ATMOSPHERE, OCEAN AND CLIMATE	2017/2018 2018/2019 2019/2020
BASIC NAVIGATION AND SEAMANSHIP	2017/2018
COASTAL AND ESTUARIES MANAGEMENT	2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
COASTAL GEOMORPHOLOGY AND PROCESSES	2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
GIS AND REMOTE SENSING	2016/2017
GIS FOR COASTAL ZONE MANAGEMENT	2016/2017
INTEGRATED COASTAL ZONE MANAGEMENT	2016/2017
MARINE ELECTRONIC AND INSTRUMENTATION	2018/2019 2019/2020 2020/2021
MARINE EXPEDITION	2017/2018 2019/2020 2020/2021
PHYSICAL OCEANOGRAPHY	2017/2018
SUSTAINABLE DEVELOPMENT OF COASTAL COMMUNITIES	2018/2019

RESEARCH PROJECTS

In Progress

- 2019 - Present** Hydrodynamic Modelling of Cherok Paloh estuarine-beach waters with respect to suspended sediment transport
- 2019 - Present** Assessing the spatial distribution of shallow-water coral lifeform and coral bleaching using consumer grade drone in relation to global warming.

- 2017 - Present** Field measurements and numerical approach of rip current hazards at the selected recreational beaches along Pahang coastline
- 2016 - Present** Assessment of Shoreline Changes along Pahang beaches with Respect to Distinct Morphological Features

PUBLICATIONS

Article

- 2020** [Land-use classification and mapping using landsat imagery for GIS database in Langkawi Island.](#) Science Heritage Journal (GWS) , 4 (2) pp.40-44
- 2019** [Morphology and sand characteristics at five recreational beaches in Pahang.](#) Journal of Sustainability Science and Management , 14 (6) pp.22-38
- 2015** [Beach morphodynamics of different morphological setting along Teluk Chempedak to Kuala Pahang, Malaysia.](#) Jurnal Teknologi , 77 (25) pp.51-56

Conference or Workshop Item

- 2019** [Soil data definition for hydrologic response unit \(HRU\) analysis in soil water assessment tool \(SWT\) model of Langkawi Island, Malaysia.](#) In: **International Conference on Oceanography and Sustainable Marine Production (ICOSMAP) 2019**
- 2016** [Hydrodynamic and wave refraction modelling from selected beaches of Pahang.](#) In: **2nd International Conference on Oceanography and Sustainable Marine Production (ICOSMaP 2016)**
- 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**

Book

Book Section