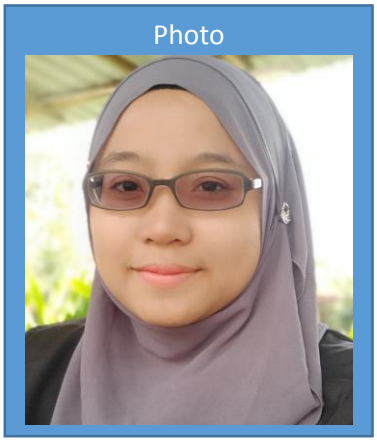

NUR HIDAYAH ROSELI

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QUALIFICATIONS

- Doctor of Philosophy (Oceanography), Universiti Malaysia Terengganu, Malaysia
- Master of Science (Oceanography), Universiti Malaysia Terengganu, Malaysia
- Bachelor of Science (Marine Science), Universiti Malaysia Terengganu, Malaysia

FIELD OF RESEARCH

- Physical Oceanography
- Coastal and Ocean Dynamics

RESEARCH INTEREST

My research focuses on coastal-ocean physical processes such as winds, waves, currents and tides and its interaction with seawater characteristics, water masses exchange/transport, vertical mixing process, climate and biogeochemistry in the coastal zone and continental shelf region. I use field data measurements, computational modelling, global ocean model and remote sensing and satellite data as data sources and tools for my research.

RESEARCH PROJECTS

- Interactions of Ocean Dynamics with the Climate System of Past, Present and Future Using Ocean Observation Integrated Data and Numerical Modelling
- MARE: Marine Coastal and Delta Sustainability for Southeast Asia
- Healthy, Productive and Sustainable Asian Marginal Seas: Understanding changes in the marine environment as their respond to global climate change
- Joint Project China-Malaysia Collaboration on Maritime Search and Rescue Operation Modelling using Fake Body Buoy
- Development of Integrated System of Ocean Forecasting, Observation Network and Atmospheric-Oceanic Database for Malaysia Waters of The Southern South China Sea
- Joint Project China-Malaysia Collaboration on South-East Asia Ocean Marine Environment Forecast and Hazard Warning System (OFS)

EXPERT LINKAGES

- *NORTH CHINA SEA MARINE FORECASTING CENTRE, CHINA*
- *FIRST INSTITUTE OF OCEANOGRAPHY, CHINA*
- *SUN YAT-SEN UNIVERSITY (ZHUHAI, CHINA)*
- *UNIVERSITY OF BREMEN, GERMANY*
- *WESTPAC WORKING GROUP ON ASIAN MARGINAL SEAS (WG06)*

PROFFESIONAL MEMBERSHIP

- Malaysian Nature Society

GRANTS

Project	:	Interaction of Ocean Dynamics with the Climate System of Past, Present and Future using Ocean Observation Integrated Data and Numerical Modelling
Position	:	Co-researcher
Grant Name	:	Long-term Research Grant Scheme (LRGS)
Status	:	Active
Amount	:	RM1,000,000.00
Project	:	MARE: Marine Coastal and Delta Sustainability for Southeast Asia
Position	:	Co-researcher
Grant Name	:	International Grant
Status	:	Active
Amount	:	RM 163557.47 (EUR 33,000.00)
Project	:	Joint Project China-Malaysia Collaboration on South-East Asia Ocean Marine Environment Forecast and Hazard Warning System (OFS)
Position	:	Co-researcher
Grant Name	:	International Grant
Status	:	Active
Amount	:	RM1,200,000.00
Project	:	Joint Project China-Malaysia Collaboration on Maritime Search and Rescue Operation Modelling using Fake Body Buoy
Position	:	Project Leader

Grant Name	:	International Grant
Status	:	Completed
Amount	:	RM106, 000.00 (CNY 180,000.00)
Project	:	Development of Integrated System of Ocean Forecasting, Observation Network and Atmospheric-Oceanic Database for Malaysia Waters of The Southern South China Sea
Position	:	Co-researcher
Grant Name	:	International Collaboration Fund (ICF)
Status	:	Completed
Amount	:	RM350,000.00

PUBLICATIONS

Journal Article

1. Bachok, Z., Safuan, C. D. M., Roseli, N. H., Akhir, M. F., Quantitative Dataset of Shallow Water Reef in Pulau Bidong, Southern of South China Sea During Pre and Post of tropical storm (Pabuk - January 2019). Data in Brief (2020), https://doi.org/10.1016/j.rsma.2020.101216
2. Safuan, C. D. M., Roseli, N. H., Bachok, Z. Akhir, M. F., Xia, C., Qiao, F. (2020). First record of tropical storm (Pabuk-January 2019) damage on shallow water reef in Pulau Bidong, south of South China Sea. Regional Studies in Marine Science. 35 (2020). 101216. https://doi.org/10.1016/j.rsma.2020.101216
3. Isa, N. S., Akhir, M. F., Kok, P. H., Daud, N. R., Khalil, I., Roseli, N. H. (2020). Spatial and temporal variability of sea surface temperature during El-Niño Southern Oscillation and Indian Ocean Dipole in the Strait of Malacca and Andaman Sea. Regional Studies in Marine Science. 39 (2020). 101402. https://doi.org/10.1016/j.rsma.2020.101402
4. Isa, N. S., Akhir, M. F., Khalil, I., Kok, P. H., Roseli, N. H. (2020). Seasonal Characteristics of the Sea Surface Temperature and Sea Surface Currents of the Strait of Malacca and Andaman Sea. Journal of Sustainability Science and Management. 15 (4), 1-12.
5. Roseli, N. H. & Akhir, M. F. (2019). Temperature Variability Caused by Internal Tides in the Coastal Waters of East Coast of Peninsular Malaysia. Acta Oceanologica Sinica, 38(1), 22-31. doi:10.1007/s13131-019-1367-9.
6. Roseli, N. H., Akhir, M.F., Husain M. L., Tangang, L. & Ali A. (2015). Water Mass Characteristics and Stratification at the Shallow Sunda Shelf of Southern South China Sea. Open Journal of Marine Science, 5, 455-467. doi:10.4236/ojms.2015.54036.
7. Roseli, N. H. & Akhir, M. F. (2014). Variations of Southern South China Sea Characteristics near Pahang. Sains Malaysiana, 43(9), 1389-1396. ISSN 0126-6039.

Other Outputs

[Thesis, manuscript, books, reports, etc.]

1. Roseli, N.H. (2018). "Temperature variability in the upwelling region of southern South China Sea. [Doctoral Diessertation], Universiti Malaysia Terengganu, Malaysia.
2. Roseli, N.H. (2014). Water characteristics and current circulation off east coast Peninsular Malaysia. [Masters Dissertation], Universiti Malaysia Terengganu, Malaysia.
3. Roseli, N.H. (2014). Current circulation and physical characteristics along Pahang coasts (2010) [Final Year Report], Universiti Malaysia Terengganu, Malaysia.
4. Akhir, M. F., Roseli, N. H. & Lim, Y. W. (2016). Physical Characteristics of Brunei Bay. S. Suratman (Ed.), Scientific Expedition to Brunei Bay (pp. 1-18). Kuala Terengganu, Malaysia.

SUPERVISION

Doctor of Philosophy Degree

Thesis Title	:	Dynamic characteristics in the Straits of Malacca and Andaman Sea
Student Name	:	Ku Nor Afiza Asnida Binti Ku Mansor
Role	:	Co-Supervisor
Status	:	On-going

COURSE TAUGHT

- Physical Oceanography (MMS3100A), (Undergraduate), UMT
- Coastal and Estuarine Dynamics (MMS3102), (Undergraduate), UMT
- Physical and Geological Oceanography (MMS3015), (Undergraduate), UMT
- Meteorology (MMS3101), (Undergraduate), UMT
- Tropical Oceanography (OCN5003), (Master of Science), UMT

LINKS

- SCOPUS (https://www.scopus.com/authid/detail.uri?authorId=56375926600)
- WoS (Web of Science ResearcherID/Publons AAG-3714-2019)
- ORCID (https://orcid.org/0000-0002-1814-1341)
- Google Scholar (https://scholar.google.com/citations?user=hBZF--MAAAAJ&hl=en)