



PhD supervisor



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Language(s): English, Malay

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Potential areas for PhD supervision:

- Coastal Currents
- Ocean Dynamics
- Ocean Modeling

Supervising experience:

- 8 PhD students
- 20 MSc students

Employment history in last 5 years:

2010 – present University Malaysia Terengganu

Membership of professional association:

Since 2013 ... Malaysia Board of Technologist

Education – since bachelor degree:

- ~ PhD in...
2005-2010, University of Western Australia, Australia
- ~ BEng. (Hons) in Civil Engineering, Heriot-Watt University, UK

Selected recent papers:

1. Johari A., **Akhir M. F.**, Satar M. N., Zainol Z., Guo J.S. (2021) Inter-annual changes of water temperature in the southern south china sea's continental shelf: the influence of ENSO on Malaysian waters. *In Press*
2. Zainol, Z., **Akhir, M.F.**, Zainol, Z. (2021). Pollutant transport and residence time of a shallow and narrow coastal lagoon estimated using a numerical model, *Marine Pollution Bulletin*, Volume 164, 2021,112011, <https://doi.org/10.1016/j.marpolbul.2021.112011>
3. Zainol, Z., **Akhir, M.F.**, Johari, A., Ali, A. (2021) Water quality data in a shallow and narrow Setiu Lagoon. *Data in Brief*, 2021, 35, 106866
4. **Akhir, M.F.**, Pattiaratchi, C. Meuleners, M. (2020). Dynamics and Seasonality of the Leeuwin Current and the Surrounding Counter-Current System in the Region South of Western Australia. *J. Mar. Sci. Eng.*, 8, 552.



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5. 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), pp. 66-77.
6. Zainol, Z., **Akhir, M.F.**, Abdullah, S. (2020). Hydrodynamics, nutrient concentrations, and phytoplankton biomass in a shallow and restricted coastal lagoon under different tidal and monsoonal environmental drivers. *Regional Studies in Marine Science*, 38
7. 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*, 2020, 101402, ISSN 2352-4855, <https://doi.org/10.1016/j.rsma.2020.101402>
8. Satar, M.N., **Akhir, M.F.**, Poh Heng Kok, P.H., Daud, N.R. (2020). Upwelling in the northwest Sabah during the northeast monsoon and its relation with El-Niño. *Research in Marine Sciences*, 5(2): 681-698, 2020.
9. Kok, P, H., Akhir, M, F., Qiao, F. (2019). Distinctive characteristics of upwelling along the Peninsular Malaysia's east coast during 2009/10 and 2015/16 El Ninos. *Continental Shelf Research*, 184; 10 – 20

