

CURICULUM VITAE



A. **PERSONAL DETAILS**

1. Name : Ts. Dr. Nurul Rabitah Daud
2. Date of Birth : 20-05-1989
3. Sex : Female
4. Office Address : School of Civil Engineering, College of Engineering,
Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia.
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Google Scholar

<https://scholar.google.com/citations?user=V-OcHoYAAAAJ&hl=en&authuser=1>

Scopus

<https://www.scopus.com/authid/detail.uri?authorId=57193317957>

ResearchGate

https://www.researchgate.net/profile/Nurul_Rabitah_Daud

B. **BRIEF PERSONAL HISTORY**

Nurul Rabitah Daud obtained her Bachelor's degree in Marine Science from Universiti Malaysia Terengganu, Malaysia in 2011. Later in 2014, she received a Master's degree in Oceanography and obtained a PhD in Physical Oceanography in August, 2019 from the same institution. She has been serving UiTM since September 2019 as a PTFT lecturer at the Faculty of Civil Engineering and promoted as senior lecturer on 1st July 2020. Her research interest includes ocean modelling, ocean dynamics, coastal processes, marine data processing and marine conservation.

C. **ACADEMIC QUALIFICATION**

No.	Name of Institution	Degree/Qualification	Date awarded
1.	Universiti Malaysia Terengganu, Malaysia	PhD in Oceanography	2019
2.	Universiti Malaysia Terengganu, Malaysia	MSc in Oceanography	2014
3.	Universiti Malaysia Terengganu, Malaysia	Bachelor of Science (Marine Science)	2011

D. **WORKING EXPERIENCE**

1.	July 2020 - Present	Senior lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) Shah Alam - Teaching Environmental Engineering and Sustainability, Fluid Mechanics, Hydraulic Laboratory and Research Methodology.
2.	Sept 2019- Jan 2020	Lecturer (Part Time-Full Time) at Faculty of Civil Engineering, Universiti Teknologi MARA, Shah Alam, Selangor.
3.	July 2019- Aug 2019	Research Assistant to Assoc. Prof. Dr. Aidy@Mohamed Shawal Muslim on research project Hydrodynamic Modelling in Terengganu River Breakwater ESI (Vot 67920).
4.	Apr 2019- June 2019	Research Assistant to Assoc. Prof. Dr. Aidy@Mohamed Shawal Muslim on research project Joint Project China-Malaysia Collaboration on South East Asia Ocean Marine Environment Forecast and Hazard Warning System (OFS) MyDAS (Vot TJ63927).
5.	3 rd – 7 th December 2017	Trainer at Ocean Teacher Global Academy (OTGA) Training Course: Marine GIS application using QGIS. IODE-IOC, UNESCO. Institute of Oceanography and Environment. Terengganu, Malaysia.
6.	12 th – 16 th November 2017	Trainer at Ocean Teacher Global Academy (OTGA) Training Course: Integrated Data Analysis for Upwelling Studies. IODE-IOC, UNESCO. Institute of Oceanography and Environment. Terengganu, Malaysia.
7.	Feb 2017- June 2017	Visiting Postgraduate at Oceans Institute, Indian Ocean Marine Research Centre, University of Western Australia (UWA), Perth, Australia. Supervised by Winthrop Professor in Coastal Oceanography, Professor Dr. Charitha Pattiaratchi.
8.	November 2014	Trainer at Royal Malaysian Navy Training Course: Physical Oceanography Data Processing. Institute of

		Oceanography and Environment, Terengganu, Malaysia.
9.	Sept 2013 - Aug 2014	Research Assistant to Assoc. Prof. Dr. Aidy@Mohamed Shawal Muslim on research project Development of Malaysian (Oceanographic) Data Aggregation and Archiving System (Vot No. 66904).
10.	Sept 2011 - Aug 2013	Research Assistant to Assoc. Prof. Dr. Mohd Fadzil Akhir on research project Numerical Modelling and Field Measured of Current Circulation and Physical Processes in Southern South China (Vot No. 52055).

E. **License & Membership**

1. SDI Open Water Scuba Diver (Diver ID: #333907) – Since March 2009.
2. Golden Key International Society member (Member ID: 6605846)- Since Sept 2009.
3. Ocean Expert registered member (Profile ID: rabitahdaud)- Since Oct 2015.
4. The Oceanography Society (TOS) member (Member ID: 10394)- Since Jan 2016.
5. Scopus Author (Scopus ID: 57193317957)- Since Jan 2016.
6. ORCID Member (ORCID ID: 0000-0002-3680-0304) – Since Aug 2018.
7. National Anti-Drugs Agency Squad (AADK Squad ID: #T018742) – Since July 2019.
8. MERCY Malaysia non-medical volunteer (ID 890520115774) – Since May 2020.

F. **AREA OF RESEARCH**

Ocean modelling, ocean dynamics, coastal processes, marine data processing and marine conservation.

G. **PHD THESIS**

Dynamics of Current Circulation between Southern South China Sea and Gulf of Thailand (2019).

H. **RESEARCH GRANTS**

- 2021 Research grant Internal Potential Denominator MyRA (DPM 2021) on title Dispersal and Characteristics of Microplastics in the Basin of Klang River In Selangor, Malaysia. (RM 20,000). 11 June 2021 – 10 June 2023.
- 2017 Travel grant from GODAE OceanView sponsors to participate in GODAE OceanView International School Mallorca 2017, Mallorca, Spain. (EUR 2,500).
- 2017 Grant to travel to Perth, Western Australia, Australia for research attachment at Oceans Institute (OI), Indian Ocean Marine Research Centre (IOMRC), University of Western Australia (UWA), Perth, Western Australia, Australia. (RM 10,000).
- 2017 Travel grant from UNESCO/IOC-WESTPAC sponsors to participate in 10th IOC-WESTPAC International Scientific Conference, First Oceanography Institute (FIO), Qingdao, China. (USD 2,300).
- 2014 Travel grant from UNESCO/IOC-WESTPAC and BOBLME to participate in 5th Western Pacific (WESTPAC) Summer School on Monsoon Onset Monitoring and its Social and Ecosystem Impacts, Research and Development Center for Marine and Coastal Resources (RDCMCR), Jakarta, Indonesia. (USD 2,000).
- 2013 Grant to travel to Kota Kinabalu, Sabah, East Malaysia to present at Annual International Seminar on Marine Science & Aquaculture (ISOMSA), Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia. (RM 2,500).
- 2009 Travel grant from Japan Student Services and Organization (JASSO) to participate in International Exchange University Seminar entitle Studies on Marine Environmental Changes in Japan and Malaysia by Economic Development, University of Kagoshima, Kagoshima, Japan. (RM 4,000).

I. **PUBLICATION**

Peer – Reviewed Journals

1. Satar, M. N., Akhir, M. F., Kok, P. H., & Daud, N. R. (2020). Upwelling in the northwest Sabah during the northeast monsoon and its relation with El – Niño, 5(2), 681–698.
2. Daud, N. R., Akhir, M. F. & Muslim, A. M. (2019). Dynamic of EL-Nino Southern Oscillation (ENSO) Towards Upwelling and Thermal Front Zone in the East Coast Peninsular Malaysia. *Acta Oceanologica Sinica*, 38(1), 48-60.
3. Sreenivasulu, G., Praseetha, B. S., Daud, N. R., Varghese, T. T., Prakash, T. N. & Jayaraju, N. (2019). Benthic Foraminifera as Potential Ecological Proxies for Environmental Monitoring in Coastal Regions: A Stusy on the Beypore Estuary, Southwest Coast of India. *Marine Pollution Bulletin*, January 2019, 341-351.
4. Ariffin, E. H., Sedrati, M., Akhir, M. F., Daud, N.R., Yaacob, R. & Husain, M.L. (2018). Beach Morphodynamics and Evolution of Monsoon-

- dominated Coasts in Kuala Terengganu, Malaysia: Perspectives for Integrated Management. *Ocean & Coastal Management*, 163, 498-514.
5. Daud, N. R., Akhir, M. F. & Husain, M. L. (2016). Water Circulation in the Shallow Shelf Areas off the Terengganu Coast Affected by Wind Stress Force using a Hydrodynamic Model. *Journal of Sustainability Science and Management Special Issue Number 1: The International Seminar on the Straits of Malacca and the South China Sea 2016*, 81-92.
 6. Daud, N. R., & Akhir, M. F. (2015). Hydrodynamic Modelling of Bidong Island Vicinity Waters. *Open Journal of Marine Science*, 3(July), 1–18.

Book Contributions

1. Ariffin EH, Sedrati M, Daud NR, Mathew MJ, Akhir MF, Awang, NA, Yaacob R & Husain ML (2019) Chapter 5 - Shoreline Evolution Under the Influence of Oceanographic and Monsoon Dynamics: The Case of Terengganu, Malaysia. In *Coastal Zone Management: Global Perspectives, Regional Processes, Local Issues*. Amsterdam: Elsevier. Page 113 – 130.
2. Eric P.Chassignet, Ananda Pascual, Joaquin Tintore & Jacques Verron (2018) Chapter 22- Marine Biogeochemical Modelling and Data Assimilation for Operational Forecasting, Reanalysis and Climate Research. In *New Frontiers in Operational Oceanography*. GODAE Ocean View, Tallahassee, Florida. Page 625 – 645.
3. Ali, A. Ali,A. Arshad,S. Fadzil, F.K. & Latif, R., 2013. Detecting and Mapping of Artificial Reefs using Side Scan Sonar & Sub Bottom Profiler (Volume I & II). Department of Fisheries Malaysia.

Conference Proceedings

1. Daud, N.R. & Akhir, M.F (Oct, 2018). Can the Peninsular Malaysia thermal front change the inflow current to the Gulf of Thailand? In *Tropical Ocean & Marine Sciences International Symposium (TOMSY 2018)*, Terengganu, Malaysia.
2. Rusli, M.U., Akhir, M.F., Booth, D.T. & Daud, N.R (Sept, 2018). Modelling oceanic dispersal of sea turtle hatchlings through locomotors energetic cost and ocean currents. In *Estuarine Coastal Conference ECSA 57 – Changing estuaries, coasts and shelf systems*, Perth, Australia.
3. Akhir, M.F. & Daud, N.R (Apr, 2018). Why South China Sea upwelling water does not enter the Gulf of Thailand? In *European Geosciences Union (EGU) General Assembly 2018*, Vienna, Austria.
4. Daud, N.R., Akhir, M.F. & Mokhtar, N (April, 2017). Dynamic of El-Nino Southern Oscillation (ENSO) Towards Upwelling and Thermal Front Zone in the East Coast Peninsular Malaysia. In *10th IOC-WESTPAC International Scientific Conference*, Qingdao, China.
5. Daud, N.R., Akhir, M.F. & Husain, M.L (Nov, 2015). Hydrodynamic Model of Current Circulation in Shallow Shelf Area of Terengganu Coastal. In *The International Seminar on The Strait of Malacca and South China Sea*, Terengganu, Malaysia.
6. Daud, N.R. & Akhir, M.F (April, 2014). Numerical Model of Residual Current in Terengganu Waters. In *9th WESTPAC International Scientific Symposium*, NhaTrang, Vietnam.

7. Daud, N.R. & Akhir, M.F (Mac, 2013). Dynamical Study of Current Circulation and Upwelling Process along Terengganu Coast. In 8th International Seminar on Marine Science and Aquaculture 2013, Sabah, Malaysia.
8. Daud, N.R. & Akhir, M.F (Feb, 2013). Current Circulation Dynamics along Terengganu Coast from Numerical Model. In INOS Postgraduate Conferences 2012, Terengganu, Malaysia.
9. Akhir, M.F. & Daud, N.R (Nov, 2012). Overview of Physical Oceanography Characteristics at Bidong Island and Perhentian Island. In Seminar of National Status for Marine Biodiversity in Malaysian Island and Coastal Area, Negeri Sembilan, Malaysia.

J. **CONSULTANCY**

Projection of Future Physical Oceanographic Properties of Malaysian Water Based on Inter-Governmental Panel on Climate Change's (IPCC's) Scenarios.
(RM178,750.00)