

DR. FATIMAH NOOR HARUN

SENIOR LECTURER

Dr. Fatimah Noor Harun is a Senior Lecturer in the Faculty of Computer Science and Mathematics at Universiti Malaysia Terengganu (UMT). She earned her Ph.D. from the University of Wollongong and holds M.Sc. and B.Sc. degrees from Universiti Sains Malaysia (USM). Her research focuses on mathematical modeling, particularly ocean waves and differential equations, with contributions to analytical solutions in wave refraction and vortex-induced motion. Dr. Fatimah has published extensively and serves on the editorial board of the Journal of Mathematical Sciences and Informatics.



RESEARCHER PROFILE

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EDUCATION



- Ph.D in Mathematics, University of Wollongong, NSW,AU
- Master in Mathematics, Universiti Sains Malaysia
- B. App. Sc. (Computer Modeling), Universiti Sains Malaysia

AREAS OF EXPERTISE

- Mathematical modelling,
- Differential equation.

SUPERVISION



COLLABORATORS



CONTACT

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SELECTED RESEARCH PROJECTS

- ✓ Talent and Publication Enhancement Research Grant, from Universiti Malaysia Terengganu. Fractional Differential Equation Models for Sea Turtles Population Dynamics (2024-2026). RM20,000.
- ✓ Research Acculturation Grant Scheme (RAGS) from Kementerian Pengajian Tinggi (KPT). Wave refraction and diffraction around a hollow cylinder in variable water depth.(2014-2017). RM50,200.
- ✓ Tabung Penyelidik Muda from Universiti Malaysia Terengganu, Wave Mapping in Merang, (2011-2012). RM10,000

SELECTED PUBLICATIONS

- ✓ Roslan, UAM; Harun, FN and Alias, A (2024). Dynamic Modelling for Assessing the Impact Of Marine Debris on The Population Of Sea Turtles, Journal of Quality Measurement and Analysis JQMA 20(2) ,1-14 WoS (ESCI), mycite
- ✓ Roslan, U.A.M, Harun, F.N. (2023) Modeling the Impact of Pollution on Sea Turtles, Malaysian Journal of Fundamental and Applied Sciences, Vol. 19 (2023) 607-615
- ✓ Wo, M.S, Gobithasan, R.U, Miura, K.T, Loy, K.C, Harun, F.N (2023) Analysis of Drag Coefficients around Objects Created Using Log-Aesthetic Curves, Mathematics, 11(1), 103
- ✓ Shalela Mohd Mahali, Amanina Setapa, Fatimah Noor Harun and Song Wang (2022) Analytical Solution for Controlled Drug Release with Time-Dependent Diffusion Parameter, Mathematics 10(21),3951
- ✓ Rasha A, Harun,F.N, M. Al-Smadi and Azwani Alias (2022) Adaptation of Conformable Residual Series Algorithm for Solving Temporal Fractional Gas Dynamics Models, Arab Journal of Basic and Applied Sciences 29(1), pp. 65-76