FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

UMT

MINISTRY OF HIGHER EDUCATION

NOR AZLIDA ALENG

SENIOR LECTURER

Nor Azlida Aleng is a senior lecturer at the Faculty of Computer Science and Mathematics, Universiti Malaysia Terengganu (UMT). Her research expertise in biostatistics, neural networks, mathematical modeling, and Islamic finance in Mathematics. Currently, she is focusing on the development of a hybrid multilayer feedforward neural network (MLFF) and linear models (LM) for biometric modeling.

RESEARCHER PROFILE

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EDUCATION

- Master in Mathematics, UKM
- BSc. in Mathemathics, UKM

SELECTED RESEARCH PROJECTS

✓ Fundamental Research Grant (FRGS) from Ministry of Higher Education Malaysia. Al-Ijarah Thumma Al-Bai: Model Bermatematik Baru Sistem Sewa Beli (2008 – 2011). RM55,000.00

AREAS OF EXPERTISE

- Applied Statistics
- Statistical Modeling
- Medical Science
- Public Health

SUPERVISION

Graduated · On-Going

PH.D	MSC	PH.D	MSC
MAIN SV		CO-SV	

COLLABORATORS

UNIVERSITI SAINS MALAYSIA · USM · USIM · UNISZA

SELECTED PUBLICATIONS

✓ Mohamad N. Adnan, Wan Muhamad Amir W Ahmad, **Nor Azlida Aleng**, Nor F Noor, Mohamad Syafiq Mohd Ibrahim and Noor Maizura M. Noor (2024). The Evaluation of Ordinal Regression Model's Performance Through the Implementation of Multilayer Feed-Forward Neural Network: A Case Study of Hypertension, Cureus Journal of Medical Science.16(2), pp. 1–10. WoS-indexed.

✓ Wan Muhamad Amir W Ahmad, Farah Muna Mohamad Ghazali, Hazik Shahzad, Mohamad N. Adnan and **Nor Azlida Aleng** (2024). Computational Statistical Modelling for Parameters Optimization of LDL-cholesterol Levels in Datients with Type 2 Diabetes, Bangladesh Journal of Medical Science. 23(2), pp.498 – 506. SCOPUS-indexed.

✓ Amira F. Ahmad, N.H.A.M, Zaperi, Maharani A. Bakar, Norizan Mohamed and **Nor Azlida Aleng** (2023). Machine Learning on the Post-vaccination Covid-19 Prediction and on the Vaccination Sentiment Analysis, AIP Conference Proceedings. 2746(1). SCOPUS-indexed.

✓ Maharani A. Bakar, Rehana Thalib, Danang A. Pratama, **Nor Azlida Aleng**, Siti Madhihah Abdul Malik and Mashuri (2023). Hybrid Lanczos-Switching Models for Solving Large Linear Systems and Their Parallel Versions, Journal of Algorithms and Computational Technology, 17. SCOPUS-indexed.

✓ Wan Muhamad Amir W. Ahmad, Mohamad N. Adnan, A.B. Nuzlinda, M.G. Farah Muna, **Nor Azlida Aleng**, M.Y. Zainab and Mohammad Khursheed Alam (2023). A Predictive Hypertension Model for Patients with Dyslipidemia and Type 2 Diabetes Mellitus: A Robust Hybrid Methodology, Bangladesh Journal of Medical Science. 22(2), pp.422 – 431. SCOPUS-indexed.

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