



## RESEARCHER PROFILE

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Google scholar LAZIM ABDULLAH

## EDUCATION



- Ph.D in in IT Management, UMT
- Master in Mathematics Education, USM
- B.Sc in Mathematics, UM

## AREAS OF EXPERTISE

- Fuzzy Sets
- Fuzzy Inference/Logic
- Decision Making
- Applied Statistics

## SUPERVISION



## COLLABORATORS



# MOHD LAZIM ABDULLAH PROFESSOR

Prof Lazim research expertise encompasses fuzzy set theory, decision-making models, applied statistics, and their applications in environmental studies, health sciences, and technology management. With over 450 scholarly works published, including refereed journal articles, conference proceedings, book chapters, monographs, and textbooks, he has made significant contributions to the field. Recognized among the world's top 2% of scientists by Stanford University in the area of artificial intelligence and image processing, he is actively engaged in multidisciplinary research and publications.

## CONTACT

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## SELECTED RESEARCH PROJECTS

- ✓ Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education Malaysia. A combined neutrosophic set with the DEMATEL in decision making. (2019–2021). RM RM114,760.00

## SELECTED PUBLICATIONS

- ✓ L., Abdullah, H. Mohd Pouzi, and N.A. Awang. (2023). Intuitionistic Fuzzy DEMATEL for Developing Causal Relationship of Water Security, International Journal of Intelligent Computing and Cybernetics, 16(3), 520–544. SCOPUS-indexed.
- ✓ Mohd Razali, N. H., Abdullah, L., Ab Ghani, A. T., Zaharudin, Z. A., & Afthanorhan, A. (2024). Exponentially Weighted Moving Average Charts Based on Interval Type-2 Fuzzy Numbers: Analyses of Quality Control and Performance. International Journal of Fuzzy Systems, 1–23.
- ✓ Rahman, N. A., Abdullah, L., Rahim, N., Ashraf, A. I., & Idris, R. (2024). Solving Interval Type-2 Fuzzy Pentagonal Polynomial Equation Using Horner-Muller's Method. Contemporary Mathematics, 3639–3651.
- ✓ Razali, N. H. M., Abdullah, L., Ab Ghani, A. T., Afthanorhan, A., & Zabihinpour, M. (2024). A Type-2 Fuzzy u-Control Chart Considering Probability-Based Average Run Length. Contemporary Mathematics, 959–977.
- ✓ Abdullah, L., Najib, N. M., & Awang, N. A. (2023, December). Supplier Selection Incorporating Weights of Criteria using an Order Preference by Similarity Method and Interval-valued Intuitionistic Fuzzy Sets. In 2023 IEEE 8th International Conference on Recent Advances and Innovations in Engineering (ICRAIE) (pp. 1-7). IEEE.

**"Academic recognitions particularly from peers come when one begins to establish 'brand'"**