DR. AHMAD MUHAIMIN ISMAIL

SENIOR LECTURER

I specialize in machine learning techniques applied to software engineering and bioinformatics, with a focus on predictive models for large-scale datasets. My work integrates data-driven approaches to address complex challenges in these domains, enabling efficient analysis and decision-making. I welcome collaborative opportunities for other interdisciplinary research for big data analytics and development of prediction models in interdisciplinary domain

RESEARCHER PROFILE

Scopus 57195988609

ORCID 0009-0001-2273-8917

Google scholar AHMAD MUHAIMIN ISMAIL

CONTACT

+6014-8051960

muhaimin@umt.edu.my

fskm.umt.edu.my

EDUCATION

- Phd in (Computer Science,) Universiti Malaya
- Master (Computer Science), Universiti Teknologi Malaysia
- BSc. in Computer Science (Bioinformatics), Universiti Teknologi Malaysia

SELECTED RESEARCH PROJECTS

- Talent And Publication Enhancement-Research Grant (TAPE-RG) from UMT. Clustering based data resampling for software defect prediction (Dec 2024 - Nov 2026). RM 20000)

AREAS OF EXPERTISE

- Software Engineering
- Bioinformatics
- Artificial Intelligence
- Machine Learning

SELECTED PUBLICATIONS

- **Ismail, A. M.**, Ab Hamid, S. H., Abdul Sani, A., & Mohd Daud, N. N. (2024). KCO: Balancing class distribution in just-in-time software defect prediction using kernel crossover oversampling. Plos one, 19(4), e0299585. SCOPUS-indexed
- **Ismail, A. M.**, Ab Hamid, S. H., Sani, A. A., & Daud, N. N. M. (2024). Toward Reduction in False Positives Just-In-Time Software Defect Prediction Using Deep Reinforcement Learning. IEEE Access. SCOPUS-indexed.
- **Ismail, A. M.**, Remli, M. A., Choon, Y. W., Nasarudin, N. A., Ismail, N. S. N., Ismail, M. A., & Mohamad, M. S. (2023). Artificial Bee Colony algorithm in estimating kinetic parameters for yeast fermentation pathway. Journal of integrative bioinformatics, 20(2), 20220051. SCOPUS-indexed.
- **Ismail, A. M.**, Mohamad, M. S., Majid, H. A., Abas, K. H., Deris, S., Zaki, N., ... & Remli, M. A. (2017). An improved hybrid of particle swarm optimization and the gravitational search algorithm to produce a kinetic parameter estimation of aspartate biochemical pathways. Biosystems, 162, 81-89. SCOPUS-indexed.

COLLABORATORS

UNIVERSITY OF MALAYA

AiBIG INSTITUTE FOR ARTIFICIAL INTELLIGENCE AND BIG DATA