

Dr. Safwan Maghaydah

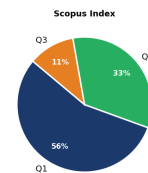
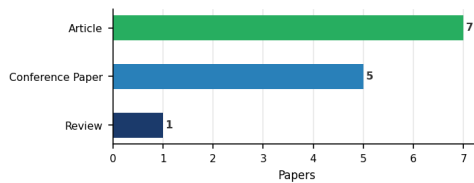
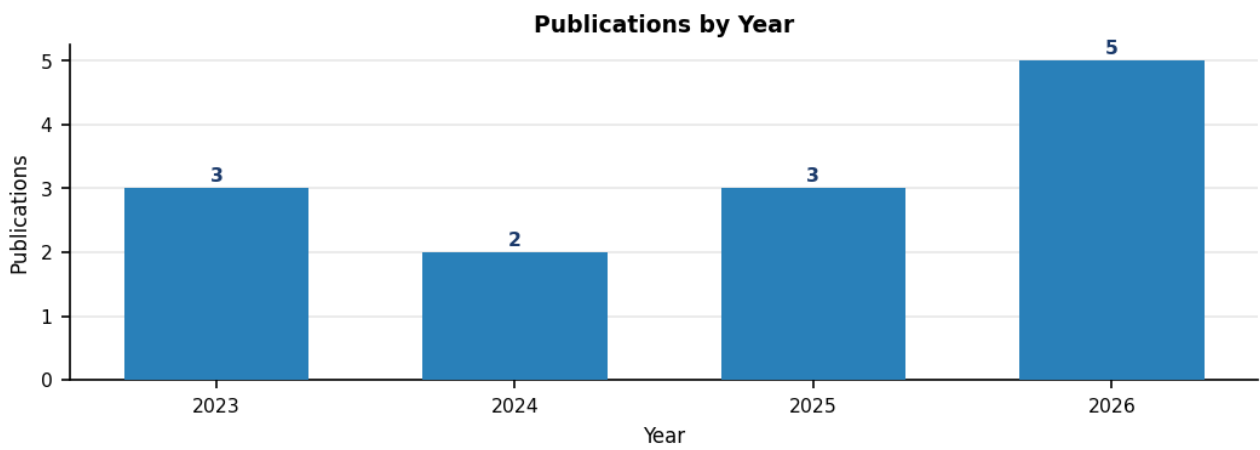
Manager

Assistant Professor

■ Scopus ID: 58297896300

13 Total Publications	9 Scopus Ranked	80 Total Citations	7 Article	1 Review	5 Conference Paper
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Research Summary



Year	Article	Review	Conference Paper	Total
2026	4	-	1	5
2025	2	-	1	3
2024	1	1	-	2
2023	-	-	3	3
Total	7	1	5	13

Article (7)

- Oyebanji, U., Alkafri, A., Alsmadi, H., Alkassabeh, M., Maghaydah, S., Natalia, F., & Al-Karaki, W. (2026). **An explainable deep learning method for diagnosing lumbar spine disorders from medical images.** *Healthcare Analytics*, 9. <https://doi.org/10.1016/j.health.2026.100459>

Q1 **Open Access**

2. Qawaqneh, H., Maghaydah, S., Alomari, S., Bektemyssova, G., Montazeri, Z., Dehghani, M., Malik, O. P., & Eguchi, K. (2026). **Bolas Spider Algorithm: A Novel Efficient Nature-Inspired Metaheuristic for Complex Continuous Optimization.** *International Journal of Intelligent Engineering and Systems*, 19(1), 221–239. <https://doi.org/10.22266/ijies2026.0131.14>
Q2 **Open Access** **Cited by 2**

3. Qawaqneh, H., Maghaydah, S., Alomari, S., Bektemyssova, G., Smerat, A., Montazeri, Z., Dehghani, M., Malik, O. P., & Eguchi, K. (2026). **Moonlight Bat Optimization (MBO): A Nature-inspired Metaheuristic Balancing Adaptive Exploration and Precision Exploitation.** *International Journal of Intelligent Engineering and Systems*, 19(1), 33–51. <https://doi.org/10.22266/ijies2026.0131.03>
Q2 **Open Access** **Cited by 1**

5. Alomari, K. M., Maghaydah, S., Salloum, S. A., Mahade, A., Abubakr, A. A. M., & Abubakr, A. A. M. (2026). **Understanding metaverse adoption and sustainability across students and educators: Evidence from the diffusion of innovation model.** *Telematics and Informatics Reports*, 21. <https://doi.org/10.1016/j.teler.2026.100307>
Q1 **Open Access**

6. Alomari, K. M., Abubakr, A. A. M., Maghaydah, S., & Ali, M. A. (2025). **Building a composite early warning index for financial market crises using machine learning and macroeconomic-political uncertainty indicators.** *Asian Economic and Financial Review*, 15(10), 1520–1537. <https://doi.org/10.55493/5002.v15i10.5594>
Q2 **Open Access**

8. Alomari, K. M., Maghaydah, S., & Khan, M. J. (2025). **Examining Metaverse Intention to Use Among Computer Science and Engineering Students Via UTAUT2, DOI Through PLS-SEM, ML & Network Analysis.** *SN Computer Science*, 6(8). <https://doi.org/10.1007/s42979-025-04553-6>
Q1 **Open Access**

9. Allouzi, A. S., Alomari, K. M., & Maghaydah, S. (2024). **Enhancing game classification systems with machine learning: A comparative study on techniques and legal implications.** *International Journal of Data and Network Science*, 8(4), 2319–2332. <https://doi.org/10.5267/j.ijdns.2024.5.024>
Q1 **Open Access** **Cited by 10**

Review (1)

10. Maghaydah, S., Al-Emran, M., Maheshwari, P., & Al-Sharafi, M. A. (2024). **Factors affecting metaverse adoption in education: A systematic review, adoption framework, and future research agenda.** *Heliyon*, 10(7). <https://doi.org/10.1016/j.heliyon.2024.e28602>
Q1 **Open Access** **Cited by 60**

Conference Paper (5)

4. Maghaydah, S., Assayed, S. K., Salhieh, S. M., & Alomari, K. M. (2026). **Success Factors Affecting Enterprise Resource Planning (ERP) Systems Implementation in UAE Higher Education Institutions.** *Communications in Computer and Information Science*, 2541 CCIS, 173-182. https://doi.org/10.1007/978-3-031-99356-5_15

Q3

7. Alomari, K. M., Maghaydah, S., Mahde, A., Mohammed, A. A., Korany, H., & Abunawas, M. K. (2025). **Examining Metaverse Adoption Impacts Higher Education Students Through the Diffusion of Innovation Framework.** *Proceedings - International Conference on Advanced Systems and Emergent Technologies, IC_ASET 2025*. https://doi.org/10.1109/IC_ASET65966.2025.11232258

11. Maghaydah, S., Maheshwari, P., & Alomari, K. M. (2023). **Agent-Based Modelling and Simulation of Crowd Evacuation: Case Study for Electric Train Cabin.** *2nd International Conference on Business Analytics for Technology and Security, ICBATS 2023*. <https://doi.org/10.1109/ICBATS57792.2023.10111239>

Cited by 2

12. Alomari, K. M., & Maghaydah, S. (2023). **Beyond Multivariate Analysis Methods: Proposing Sentiment Analysis as a Novel Approach in Analyzing UTAUT2 for Metaverse Adoption.** *ACM International Conference Proceeding Series*. <https://doi.org/10.1145/3641032.3641040>

Cited by 2

13. Inairat, M. H. S., Sahawneh, N. M. F., Faiz, M. A., Maghaydah, S., & Itani, R. (2023). **The Role of Artificial Intelligence in Mitigating Cyber Security Issues and its Impact on FinTech.** *2nd International Conference on Business Analytics for Technology and Security, ICBATS 2023*. <https://doi.org/10.1109/ICBATS57792.2023.10111390>

Cited by 3