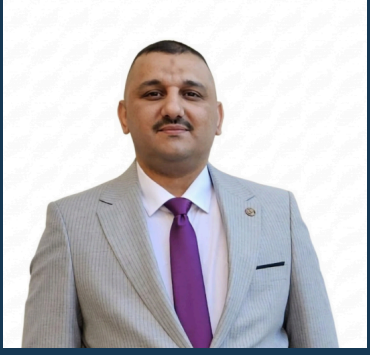


Yousif Raad Muhsen

يوسف رعد محسن

Assistant Professor

PROFILE

Dr Yousif Raad Muhsen Al-Molla is a researcher and academic from Iraq specialising in data science, artificial intelligence, and decision support systems. His research focuses on the application of machine learning, multi-criteria decision-making (MCDM), and advanced statistical methods to address complex problems in education, environmental studies, and decision analysis.

Dr. Al-Molla has contributed to several international publications and collaborative research projects, with a particular interest in integrating artificial intelligence techniques with quantitative modeling approaches to improve prediction accuracy and support strategic decision-making. His work often explores emerging topics such as AI adoption, human–AI interaction, and data-driven analytics.

In addition to his research activities, he actively collaborates with international scholars and supervises student research projects in areas related to artificial intelligence, machine learning, and applied analytics.

ACADEMIC TITLES

2024-06-10 Assistant Professor

TEACHING EXPERIENCE

lecturer

Computer science

2015-01 - Present

COURSES

- AI

ADMINISTRATIVE POSITIONS

2025-12-12 - Present Editor of the College of Computer Science and Information Technology Journal

2010-06-01 - Present مقرر قسم

2016-06-01 - Present مدير شعبة الحاسبات في كلية الهندسه

PUBLICATIONS (79)

1. Spatial assessment of groundwater quality and irrigation suitability using GIS, IWQI, and WASPAS-MEREC multicriteria decision-making

   PHYSICS AND CHEMISTRY OF THE EARTH | 2027

2. Determinants of retailers' trust in live-stream selling on social commerce platforms: Evidence using PLS-SEM and FsQCA

   International Journal of Human–Computer Interaction 42 (2), 870-890, 2026 | 2026 | Cited: 9

CONTACT

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yousif@uowasit.edu.iq

EDUCATION

(10-06-2024) دكتوراه

AI

UPM

RESEARCH METRICS

h-index (Scopus)	22
h-index (GS)	25
Citations (Scopus)	1252
Citations (GS)	1748
Documents (Scopus)	55
Documents (GS)	76

AWARDS

- Best Young Researcher Award for 2025
- Best Researcher Award for 2024

PATENTS

- The smart electronic container

RESEARCH INTERESTS

- MCDM, AI machine learning expert system

3. **Evaluating the Environmental Performance of Oil Companies Using an Interval-Valued Neutrosophic Fuzzy Decision Model**
Applied Soft Computing | 2026 | Cited: 1

4. **A fuzzy decision-making approach for the evaluation of real-time application network-on-chip**
Engineering Applications of Artificial Intelligence 181, 115249, 2026 | 2026

5. **Projecting future precipitation in Northern Iraq applying CMIP6 ensembles and LARS-WG model: A case study of Aqra Region**
EPJ Web of Conferences 376, 06003, 2026 | 2026

6. **Z-cloud fuzzy decision making approach for evaluating next generation agricultural decision support tools**
Engineering Applications of Artificial Intelligence 164, 113174, 2026 | 2026 | Cited: 3

7. **Goal-setting meets public budgeting: How budget characteristics drive institutional development, a symmetric–asymmetric hybrid approach (PLS-SEM, fsQCA) with MCDM analysis**
Social Sciences & Humanities Open 13, 102886, 2026 | 2026 | Cited: 1

8. **The State of World Research Toward AI Agents and Future Perspective: A Bibliometric Study**
Beyond Intelligent Systems: Navigating the Power of the Agentic Artificial ..., 2026 | 2026 | Cited: 2

9. **Me and my AI bot: An SEM-MEREC-VIKOR analysis of the "aiholic" phenomenon and university students' dependence on generative AI chatbots**
Yugoslav Journal of Operations Research | 2026

10. **Explainable Machine Learning for Financial Fraud Detection: Integrating Cybersecurity Forensics with Auditing and Risk Analytics in Digital Banking**
2026 Intelligent Methods, Systems, and Applications (IMSA), 73-78, 2026 | 2026

11. **Enhanced Classification of Shewhart Control Chart Patterns Using Hybrid Features and Adaptive Weighted Ensemble Voting**
Tehnički vjesnik 33 (4), 1671-1685, 2026 | 2026

12. **Operational and Statistical Assessment of Checkpoint-Induced Bottlenecks on a Selected Segment in Expressway No. 1, Iraq**
Civil and Environmental Engineering 22 (1), 2026 | 2026 | Cited: 1

13. **A security-aware multi-criteria decision-making framework for ordering task mapping techniques in 3D-NoC based MPSoC architectures of IoT**
Computer Standards & Interfaces | 2026 | Cited: 19

14. **Spatiotemporal investigation of road traffic accident severity for transportation safety planning in Missouri: A GIS-based hotspot evolution framework,"**
Int. J. Transp. Dev. Integr 10 (2), 402-416, 2026 | 2026 | Cited: 1

15. **Mapping Two Decades of Financial Inclusion Research: A Bibliometric Review Based on the ABDC-Ranked Journals**
International Multi-Disciplinary Conference-Integrated Sciences and ..., 2026 | 2026

16. **Agentic AI Infrastructure: Machine Learning-Based Detection of Hardware Trojans in Network-on-Chip**
International Multi-Disciplinary Conference-Integrated Sciences and ..., 2026 | 2026 | Cited: 4

17. **Examining the perceptions and permissions of reusing treated wastewater in a region facing water scarcity**
Scientific Reports 15 (1), 40562, 2025 | 2025 | Cited: 6

18. **Hybrid SEM and ANN Approach**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

19. **Multi-criteria Decision-Making**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

20. **Machine Learning in Business Research**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

21. **Fuzzy Set Qualitative Comparative Analysis—FsQCA**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

22. **Business Research Applications in SEM-ANN Analysis**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

23. **Artificial Neural Network and Theories**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

24. **Application of Multi-criteria Decision-Making Methods**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

25. **Opportunity for ANN Analysis**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

26. **Partial Least Squares Structural Equation Modeling and Complementary Methods in Business Research**
Springer Nature, 2025 | 2025 | Cited: 10

27. **FUZZY AHP - FUZZY MABAC MODEL FOR RANKING A COMBINED CONSTRUCTION MACHINE - BACKHOE LOADER**
Facta Universitatis, Series: Mechanical Engineering | 2025 | Cited: 28

28. **Z-cloud Rough Fuzzy-Based PIPRECIA and CoCoSo Integration to Assess Agriculture Decision Support Tools**
International Journal of Fuzzy Systems | 2025

29. **Overview of ANN Analysis**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

30. **Z-cloud Rough Fuzzy-Based PIPRECIA and CoCoSo Integration to Assess Agriculture Decision Support Tools: A. Alnoor et al.**
International Journal of Fuzzy Systems 27 (1), 190-203, 2025 | 2025 | Cited: 24

31. **Enhancing Cybersecurity in Cyber-Physical Systems: an Explainable AI Approach for Intrusion Detection**
2025 5th International Conference on Emerging Smart Technologies and ..., 2025 | 2025 | Cited: 15

32. **AntDroidNet cybersecurity model: A hybrid integration of ant colony optimization and deep neural networks for android malware detection**
Mesopotamian Journal of CyberSecurity 5 (1), 104-120, 2025 | 2025 | Cited: 29

33. **Towards smart system architectures: A fuzzy MCDM-based evaluation of application mapping strategies**
Yugoslav Journal of Operations Research | 2025 | Cited: 14

34. **Revealing the determinants of workplace incivility from the perspective of affective events theory using PLS-SEM and MCDM approach**
Current Psychology 44 (23), 17974-17991, 2025 | 2025 | Cited: 16

35. **Prioritizing Network-On-Chip Routers for Countermeasure Techniques against Flooding Denial-of-Service Attacks: A Fuzzy Multi-Criteria Decision-Making Approach.**
Computer Modeling in Engineering & Sciences (CMES) 142 (3), 2025 | 2025 | Cited: 23

36. **A bibliometric review of trends and insights of Internet of Things on cybersecurity issues**
Current and Future Trends on AI Applications: Volume 1, 127-147, 2025 | 2025 | Cited: 14

37. **Partial Least Squares Structural Equation Modeling**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025 | Cited: 12

38. **Outline of ANFIS Analysis**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025

39. **PLS-SEM Path Model Estimation**
Partial Least Squares Structural Equation Modeling and Complementary Methods ..., 2025 | 2025 | Cited: 2

40. **Convolutional Long Short-Term Memory for Fileless Malware Detection**
Journal of Advanced Research in Applied Sciences and Engineering Technology ..., 2025 | 2025 | Cited: 1

41. **Sustainable Route Selection Using Fuzzy MCDM Techniques**
Proceedings of International Conference on Applied Innovation in IT 13 (5 ..., 2025 | 2025 | Cited: 2

42. **Me and my AI bot: exploring the'AIholic'phenomenon and university Students' dependency on generative AI Chatbots-is this the new academic addiction**
Preprint]. Research Square. doi 10, 2024 | 2024 | Cited: 58

43. **Benchmarking methodology of banks based on financial sustainability using CRITIC and RAFSI techniques**
Decision Making: Applications in Management and Engineering 7 (1), 315-341, 2024 | 2024 | Cited: 76

44. **Opinion weight criteria method (OWCM): a new method for weighting criteria with zero inconsistency**
IEEE access 12, 5605-5616, 2024 | 2024 | Cited: 71

45. **Unveiling the optimal configuration of impulsive buying behavior using fuzzy set qualitative comparative analysis and multi-criteria decision approach**
Journal of Retailing and Consumer Services 81, 104057, 2024 | 2024 | Cited: 64

46. **Benchmarking of circular economy behaviors for Iraqi energy companies based on engagement modes with green technology and environmental, social, and governance rating**
Environmental Science and Pollution Research 31 (4), 5762-5783, 2024 | 2024 | Cited: 34

47. **Routing Techniques in network-on-chip based multiprocessor-system-on-chip for IOT: a systematic review**
Iraqi Journal For Computer Science and Mathematics 5 (1), 181-204, 2024 | 2024 | Cited: 33

48. **The weight fuzzy judgment method for the benchmarking sustainability of oil companies**
Applied Soft Computing 161, 111765, 2024 | 2024 | Cited: 26

49. **Symmetric and asymmetric modeling to boost customers' trustworthiness in livestreaming commerce**
Current Psychology 43 (31), 25874-25892, 2024 | 2024 | Cited: 24

50. **A systematic literature review of budget participation: foundations, trends, and ways forward**
International Review of Public Administration 29 (3), 175-202, 2024 | 2024 | Cited: 30

51. **Metaheuristic algorithms applied in ANN salinity modelling**
Results in Engineering 23, 102541, 2024 | 2024 | Cited: 8

52. **Modelling intelligent agriculture decision support tools to boost sustainable digitalization: Evidence from MCDM methods**
International Conference on Explainable Artificial Intelligence in the ..., 2024 | 2024 | Cited: 15

53. **Optimizing energy and QoS in VANETs through approximate computation on heterogeneous MPSoC**
2024 4th International Conference on Emerging Smart Technologies and ..., 2024 | 2024 | Cited: 19

54. **Evaluation of agricultural drones based on the COmpromise Ranking from Alternative SOlutions (CORASO) methodology**
Engineering Review: Međunarodni časopis namijenjen publiciranju originalnih ..., 2024 | 2024 | Cited: 34

55. **Explainable machine learning for real-time payment fraud detection: building trustworthy models to protect financial transactions**
International conference on explainable artificial intelligence in the ..., 2024 | 2024 | Cited: 25

56. **Explainable Artificial Intelligence in the Digital Sustainability Administration**
2024 | Cited: 2

57. **Review of Recent Trends in the Hybridisation of Preprocessing-Based and Parameter Optimisation-Based Hybrid Models to Forecast Univariate Streamflow**
Computer Modeling in Engineering & Sciences | 2024 | Cited: 24

58. **Circular economy of medical waste: novel intelligent medical waste management framework based on extension linear Diophantine fuzzy FDOSM and neural network approach (vol 30 ...**
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 30 (24), 66428-66428, 2023 | 2023

59. **Exploring Research Trends of Metaverse: A Bibliometric Analysis BT-Beyond Reality: Navigating the Power of Metaverse and Its Applications**
2023 | Cited: 8

60. **Exploring research trends of metaverse: a bibliometric analysis**
International Multi-Disciplinary Conference-Integrated Sciences and ..., 2023 | 2023 | Cited: 35

61. **Enhancing NoC-based MPSoC performance: a predictive approach with ANN and guaranteed convergence arithmetic optimization algorithm**
IEEE Access 11, 90143-90157, 2023 | 2023 | Cited: 43

62. **Evaluation of metaverse tools based on privacy model using fuzzy MCDM approach**
International Multi-Disciplinary Conference-Integrated Sciences and ..., 2023 | 2023 | Cited: 41

63. **A comprehensive evaluation approach for efficient countermeasure techniques against timing side-channel attack on MPSoC-based IoT using multi-criteria decision-making methods**
Egyptian Informatics Journal 24 (2), 351-364, 2023 | 2023 | Cited: 66

64. **A systematic literature review of fuzzy-weighted zero-inconsistency and fuzzy-decision-by-opinion-score-methods: assessment of the past to inform the future**
Journal of Intelligent & Fuzzy Systems, 1-22, 2023 | 2023 | Cited: 62

65. **Antecedents of trustworthiness of social commerce platforms: a case of rural communities using multi group SEM & MCDM methods**
Electronic commerce research and applications 62, 101322, 2023 | 2023 | Cited: 128

66. **Evaluation of the routing algorithms for NoC-based MPSoC: a fuzzy multi-criteria decision-making approach**
IEEE Access 11, 102806-102827, 2023 | 2023 | Cited: 57

67. **Ranking challenges, risks and threats using Fuzzy Inference System**
Decision making: applications in management and engineering 6 (2), 933-947, 2023 | 2023 | Cited: 47

68. **A Bibliometric Analysis**
Beyond Reality: Navigating the Power of Metaverse and Its Applications ..., 2023 | 2023

69. **Circular economy of medical waste: novel intelligent medical waste management framework based on extension linear Diophantine fuzzy FDOSM and neural network approach**
Environmental Science and Pollution Research 30 (21), 60473-60499, 2023 | 2023 | Cited: 140

70. **Evaluation approach for efficient countermeasure techniques against denial-of-service attack on MPSoC-based IoT using multi-criteria decision-making**
IEEE Access 11, 89-106, 2022 | 2022 | Cited: 45

71. **Parameter optimisation-based hybrid reference evapotranspiration prediction models: a systematic review of current implementations and future research directions**
Atmosphere 14 (1), 77, 2022 | 2022 | Cited: 40

72. **Evaluation study of radio frequency radiation effects from cell phone towers on human health**
Radioelectronics and Communications Systems 64 (3), 155-164, 2021 | 2021 | Cited: 25

73. **Simulating a stochastic signal of urban water demand by a novel combination of data analytic and machine learning techniques**
IOP Conference Series: Materials Science and Engineering 1058 (1), 012066, 2021 | 2021 | Cited: 3

74. **Forecasting of monthly stochastic signal of urban water demand: Baghdad as a case study**
IOP Conference Series: Materials Science and Engineering 888 (1), 012018, 2020 | 2020 | Cited: 79

75. **Using LARS-WG model for prediction of temperature in Columbia City, USA**
IOP Conference Series: Materials Science and Engineering | 2019 | Cited: 109

76. **The prediction of municipal water demand in Iraq: a case study of Baghdad governorate**
2019 12th International Conference on Developments in eSystems Engineering ..., 2019 | 2019 | Cited: 99

77. **XinYing Chew· Abbas Gatea Atiyah· Alhamzah Alnoor· Sammar Abbas·**

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78. **Routing Techniques in Network-On-Chip Based Multiprocessor-System-on-Chip for IOT: A Systematic**

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79. **Social Sciences & Humanities Open**

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