



MOHAMMED FADHIL ODHAIB ALOMARI

محمد فاضل عذيب بجاي

Assistant Professor

PROFILE

Asist. Prof. Dr. in ICT

welling to collebration in research of computing and WSN, ML

ACADEMIC TITLES

2026-01-04

Assistant Professor

TEACHING EXPERIENCE

lecturer

thi qar university

2017-01 - 2020-05

COURSES

• computer

PUBLICATIONS (2 1)

- AI-Powered Wireless Charging Framework for SustainableIoT in Power Plants**
Wasit Journal of Computer and Mathematics Science 5 (3), 83-97, 2026 | 2026
- Hybrid Bio-Inspired Algorithms for Energy Efficient and Optimal Communication in Mobile Wireless Sensor Networks**
Engineering Headway 35, 135-154, 2026 | 2026
- Energy-Aware Collaborative Routing Protocol Using Bio-Inspired Algorithms for Heterogeneous Wireless Sensor Networks**
Journal of Advances in Information Technology | 2025 | Cited: 9
- A Two-Phase Clustering Framework for Adaptive Load Balancing in Vehicular Networks using OPTICS and K-Medoid algorithms**
National Journal of Antennas and Propagation 7 (2), 175-186, 2025 | 2025
- A Systematic Review on Classification Techniques of Microorganisms: Challenges and Recommendations – Towards Medical Intelligent Systems**
Journal of Intelligent Systems and Internet of Things 18 (2), 341-360, 2025 | 2025
- A Systematic Review on BC Technique for High Level Communication Network Where the Sensors Are used in GCN**
2025 3rd International Conference on IoT, Communication and Automation ...;, 2025 | 2025
- Smart design of phenanthrene-based organic photovoltaics using machine learning**
New Journal of Chemistry 49 (22), 9305-9316, 2025 | 2025 | Cited: 7
- Smarter learning environment: exploring the need for an intelligent tutoring system in Iraqi universities**
Current and Future Trends on AI Applications: Volume 1, 75-88, 2025 | 2025 | Cited: 1

CONTACT

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EDUCATION

دكتوراه (22-08-2024)

Information Technology

University Tenaga National

RESEARCH METRICS

h-index (Scopus)	6
h-index (GS)	8
Citations (Scopus)	120
Citations (GS)	202
Documents (Scopus)	13
Documents (GS)	21

RESEARCH INTERESTS

• WSN, Computing, IoT, Intelligent systems



9. **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
10. **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
11. **Optimizing cloud storage costs: introducing the pre-evaluation-based cost optimization (PECSCO) mechanism**
2024 4th International Conference of Science and Information Technology in..., 2024 | 2024 | Cited: 5
12. **The reliability of insertion torque as an indicator for primary stability in immediate dental implant: A prospective clinical study**
Journal of Baghdad College of Dentistry 36 (3), 1-8, 2024 | 2024 | Cited: 10
13. **Comparative study: Using machine learning techniques about rainfall prediction**
2ND INTERNATIONAL CONFERENCE ON ENGINEERING AND ADVANCED TECHNOLOGY:(ICEAT..., 2023 | 2023 | Cited: 5
14. **Data encryption-enabled cloud cost optimization and energy efficiency-based border security model**
IEEE Access 11, 104126-104141, 2023 | 2023 | Cited: 15
15. **A model for blockchain-based privacy-preserving for big data users on the internet of thing**
Indonesian Journal of Electrical Engineering and Computer Science 26 (2) ..., 2022 | 2022 | Cited: 18
16. **A systematic review on the energy efficiency of dynamic clustering in a heterogeneous environment of wireless sensor networks (wsns)**
Electronics 11 (18), 2837, 2022 | 2022 | Cited: 52
17. **Lifetime Enhancement of Mobile Nodes based Wireless Sensor Networks Using Routing Algorithms**
<https://www.webology.org> 18 (Special Issue on Current Trends in Manag), 672-685, 2021 | 2021 | Cited: 7
18. **Generation-y perceptions towards telework:A case of IT students in UUM**
Universiti Utara Malaysia, 2019 | 2019
19. **Does E-Learning Give a Better Result than Traditional Learning**
International Journal of Computer Science and Mobile Computing 7 (9), 29-36, 2018 | 2018 | Cited: 23
20. **analysing the factorial experiment variances with the repeated values in a practical application**
IOSR Journal of Mathematics 14 (3), 2018 | 2018
21. **Developing a Multi Platforms Web Applications for Mobile Device Using HTML5**
J Inform Tech Softw Eng 8, 225, 2018 | 2018 | Cited: 6