



ABBAS MUHAMMAD ALI HUSSAIN

عباس محمد علي حسين هاشم المحمود

Lecturer

PROFILE

Abbas M. Ali Al-Muqarm is currently a lecturer in Computer Science at the University of Kufa, Iraq. He received his Ph.D. degree in Computer Sciences from the University of Kufa, Iraq. His research interests include Networks, Internet of Things (IoT), Mobile CrowdSensing (MCS), Cloud Computing, Fog Computing, Wireless Sensor Network (WSN), Resource Management, Task Allocation, Task scheduling, Optimization.

ACADEMIC TITLES

2025-05-14 Lecturer

TEACHING EXPERIENCE

Lecturer
University of Kufa
2023-05 - Present

COURSES

• Computer Structure

PUBLICATIONS (2 1)

1. A Network-aware Cross-layer Framework for Real-time LLM Service Orchestration Integrating QoS, QoE, and Academic Quality
International Journal of Intelligent Engineering and Systems 19 (9) DOI:10.1016/j.ijies.2026.05.001, 2026 | 2026
2. Efficient deployment of roadside units in vehicular networks using optimization methods
National Journal of Antennas and Propagation 7 (2), 187-199, 2025 | 2025 | Cited: 3
3. Efficient malware detection based on machine learning for enhanced cloud privacy protection
Evolving Systems 16 (1), 30, 2025 | 2025 | Cited: 16
4. Network-Aware Optimization for Efficient Data Placement in Geo-Distributed Cloud Systems
Journal of Grid Computing | 2025
5. Network-Aware Optimization for Efficient Data Placement in Geo-Distributed Cloud Systems: AH Adhab et al.
Journal of Grid Computing 23 (4), 2025 | 2025 | Cited: 3
6. Enhanced PSO Optimized Leader in Cloud-Fog Task Scheduling for IoT and Mobile Crowdsensing Environments
International Journal of Electrical and Electronic Engineering 10 (1), 2024 | 2024 | Cited: 4
7. Low-cost smart learning with Moodle-based raspberry pi 4 for university students
2023 6th International Conference on Engineering Technology and its Applications, 2023 | 2023 | Cited: 5
8. Resource Management Techniques in Cloud-Fog for IoT and Mobile Crowdsensing Environments
International Journal of Electronics and Telecommunications, 341-352-341-352, 2023 | 2023 | Cited: 4

CONTACT

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EDUCATION

دكتوراه (03-04-2024)
Computer Networks
University of Kufa

RESEARCH METRICS

h-index (Scopus)	6
h-index (GS)	6
Citations (Scopus)	110
Citations (GS)	155
Documents (Scopus)	18
Documents (GS)	18

RESEARCH INTERESTS

- Networks
- Internet of Things (IoT)
- Mobile CrowdSensing (MCS)



9. **Dynamic cost-optimized resources management and task scheduling with deadline constraint for mobile crowd sensing environment**
Int. J. Intell. Eng. Syst 16 (3), 2023 | 2023 | Cited: 8
10. **Modernizing the shopping experience: the smart shopping cart**
2023 6th International Conference on Engineering Technology and its ..., 2023 | 2023 | Cited: 5
11. **Encryption Image Based on Z-Fractal and Hash Function with Grigorchuk's Group**
2022 5th International Conference on Engineering Technology and its ..., 2022 | 2022
12. **Quantum computing cryptography and lattice mechanism**
Korea Institute of Information and Communication Engineering 20 (4), 242-249, 2022 | 2022 | Cited: 3
13. **Optimizing the Roadside Unit Deployment Mechanism in VANET with Efficient Protocol to Prevent Data Loss: FG Abdulkadhim et al.**
Wireless Personal Communications 127 (1), 815-843, 2022 | 2022 | Cited: 16
14. **Crowdsensing for IoT**
Next Generation of Internet of Things: Proceedings of ICNGIoT 2021, 445, 2021 | 2021
15. **Optimizing the Roadside Unit Deployment Mechanism in VANET with Efficient Protocol to Prevent Data Loss**
Wireless Personal Communications | 2021
16. **Security and performance analysis of mqtt protocol with tls in iot networks**
2021 4th International Iraqi Conference on Engineering Technology and Their ..., 2021 | 2021 | Cited: 59
17. **Prediction Communication Time and Data Size Based-Bluetooth in Mobile Crowdsensing for IoT**
Next Generation of Internet of Things: Proceedings of ICNGIoT 2021, 445-466, 2021 | 2021 | Cited: 1
18. **Smart Cities Technology in Health Care COVID19 as Example ...**
2020
19. **Real-time Surveillance System to detect and analyzers the Suspects of COVID-19 patients by using IoT under edge computing techniques (RS-SYS)**
2020 2nd Al-Noor International Conference for Science and Technology (NICST ..., 2020 | 2020 | Cited: 11
20. **IoT Technologies for Mobile Crowd Sensing in Smart Cities**
Journal of Communications 14 (8), 745-757, 2019 | 2019 | Cited: 17
21. **Multi-level-fog computing in mobile crowd sensing (MLF-MCS)**
Journal of Advanced Research in Dynamical and Control Systems | 2019