



Ameer H Ali

امير حسين محمد علي

Assistant Professor

PROFILE

Asst. Prof. Dr. Ameer H. Ali currently works as one of the teaching staff at the Al-Furat Al-Awsat Technical University, Al-Najaf, Iraq. His areas of interest include FPGA, Robotic and intelligent systems, GFDM, and wireless communication.

ACADEMIC TITLES

2023-01-25 Assistant Professor

ADMINISTRATIVE POSITIONS

2024-08-11 - Present Head of Rehabilitation, Employment and Follow-up Department

2023-12-10 - 2024-09-01 Head of Technology Incubators and Ecosystem Division

PUBLICATIONS (33)

- Design of opto-electro circuit utilizing IMI waveguides by using nano waves**
Journal of Optics, 1-10, 2025 | 2025 | Cited: 3
- The Effect of Sample Size on the Interpolation Algorithm of Frequency Estimation**
Iraqi Journal for Electrical and Electronic Engineering 21 (1), 156-161, 2025 | 2025 | Cited: 1
- Comparing the GFDM Transceiver System to OFDM**
The 2nd International Conference on Advances in Engineering Sciences and..., 2024 | 2024 | Cited: 4
- A Developed Polar Coded Generalized Frequency Division Multiplexing Based on Bit-Interleaved Coded Modulation**
Al-Furat Journal of Innovations in Electronics and Computer Engineering 3 (2 ...), 2024 | 2024 | Cited: 2
- Smart Cars Parking Systems of Big Cities based on the Internet of Things**
Journal of Internet Services and Information Security 14 (3), 380-392, 2024 | 2024 | Cited: 6
- Healthcare Monitoring-based Internet of Things (IOT)**
Journal of Internet Services and Information Security (JISIS) 14 (4), 347-359, 2024 | 2024 | Cited: 15
- GFDM Pulse Shaping Optimization Based Genetic Algorithm**
Journal of University of Babylon for Engineering Sciences, 29-39, 2023 | 2023 | Cited: 4
- IoT System of Medical Equipment Monitoring and Ambulance Tracking**
2023 6th International Conference on Engineering Technology and its..., 2023 | 2023 | Cited: 5
- Developed PC-GFDM based on interleaver**
International Journal of Nonlinear Analysis and Applications (IJNAA) 14 (1 ...), 2023 | 2023 | Cited: 7
- GFDM TRANSCEIVER BASED ON ANN CHANNEL ESTIMATION**
Kufa Journal of Engineering 14 (1), 33-49, 2023 | 2023 | Cited: 13
- Optimized GFDM Transceiver System Based on GA and ANN**
2023 International Conference on Information Technology, Applied Mathematics..., 2023 | 2023 | Cited: 2
- Intelligent Optimization of PC-GFDM Transceiver**
International Journal of Intelligent Engineering and Systems 16 (5), 376-385, 2023 | 2023 | Cited: 4
- Design of Surgical Arm Robot Based on Cloud Computing**
2022 5th International Conference on Engineering Technology and its..., 2022 | 2022 | Cited: 12

CONTACT

Phone: 07802864629
Email: inj.ame7@atu.edu.iq
inj.ame7@atu.edu.iq

EDUCATION

دكتوراه (15-01-2024)
Communications and Electronics Engineering
Babylon university

RESEARCH METRICS

h-index (Scopus)	8
h-index (GS)	9
Citations (Scopus)	202
Citations (GS)	266
Documents (Scopus)	18
Documents (GS)	32

RESEARCH INTERESTS

- wireless communication
- Artificial intelligent
- Robotic system



14. **Design a control firing circuit for 6-Pulse step-down cycloconverter**
3RD INTERNATIONAL SCIENTIFIC CONFERENCE OF ALKAFFEL UNIVERSITY (ISCKU 2021), 2022 | 2022
15. **The essential factors to reduce energy consumption in Iraq**
AIP Conference Proceedings 2386 (1), 2022 | 2022 | Cited: 4
16. **Dispersion compression for different optic communication systems using DCF and FBG**
AIP Conference Proceedings 2404 (1), 2021 | 2021 | Cited: 15
17. **Comparison of Several Data Representations for a Single-Channel Optic System with 10 Gbps Bit Rate**
Research in Intelligent and Computing in Engineering: Select Proceedings of ..., 2021 | 2021 | Cited: 1
18. **Diabetes classification based on KNN**
IJUM Engineering Journal 21 (1), 175-181, 2020 | 2020 | Cited: 89
19. **Generic model implementation of deep neural network activation functions using GWO-optimized SCPWL model on FPGA**
Microprocessors and Microsystems 77, 103141, 2020 | 2020 | Cited: 25
20. **Performance assessment of antenna array for an unmanned air vehicle**
International Journal of Electrical and Computer Engineering 10 (3), 2579, 2020 | 2020 | Cited: 11
21. **Reduction of FWM Effect in 4x5 GBPS Optical System using Repeater**
Solid State Technology 63 (3), 4253-4261, 2020 | 2020
22. **Power Flow Management in Photovoltaic Energy System Using Multiport DC-DC Converter**
1st International Multi-Disciplinary Conference Theme: Sustainable ..., 2020 | 2020
23. **Ulcerative Colitis Diagnosis Based on Artificial Intelligence System**
Journal of University of Babylon for Engineering Sciences 28, 92-98, 2020 | 2020 | Cited: 2
24. **Investigation of the different compensation methods for single optical channel**
Journal of Engineering and Applied Sciences 14 (9), 3018-3022, 2019 | 2019 | Cited: 13
25. **Rheumatoid Arthritis Diagnosis Based on Intelligent System**
Journal of University of Babylon for Pure and Applied Sciences 26 (7), 47-53, 2018 | 2018 | Cited: 6
26. **Comparison Between MLD And ZF Algorithms for MIMO Wireless System at Rayleigh Channel**
Kufa Journal of Engineering 9 (4), 13-22, 2018 | 2018 | Cited: 2
27. **A Novel Algorithm for Sun Tracking System Based on Image Processing**
Journal of Engineering and Applied Sciences 13 (21), 9213-9217, 2018 | 2018 | Cited: 2
28. **NOVEL VSS-NLMS ALGORITHM FOR ADAPTIVE EQUALIZER UNDER COMPLEX DYNAMIC WIRELESS CHANNEL**
Journal of Theoretical and Applied Information Technology 96 (19), 6558-6569, 2018 | 2018 | Cited: 11
29. **Comparison of 5 GB/s WDM optical system for different modulation format using polarization interleaving technique**
International Journal of Engineering & Technology 7 (3.36), 201-206, 2018 | 2018 | Cited: 1
30. **Rationalization Energy Based on Automatic Street Lighting System**
2017
31. **Design Intelligent Controller for Robotic System**
LAP LAMBERT Academic Publishing, 2017 | 2017 | Cited: 2
32. **Design and Implementation of Artificial Neural Networks for Mobile Robot based on FPGA**
International Journal of Scientific & Engineering Research 6 (9), 475-480, 2015 | 2015 | Cited: 4
33. **Design and Implementation of Cognitive Neural Networks Predictive Robot Laser Controller Based on FPGA**
1st International Conference On Laser Applications And Advanced Materials ICLAAM | 2014