

Jamal kh-madhloom

جمال خضير مظلوم فرحان البديري

Assistant Professor

ACADEMIC TITLES

2023-11-16 **Assistant Professor**

TEACHING EXPERIENCE

assistant professor

Wasit University

2014-05 - Present

PUBLICATIONS (38)

1. **Design and Evaluation of Artificial Intelligence-Based Intrusion Detection for Smart Grids**
   University of Thi-Qar Journal 21 (2), 2026 | 2026
2. **Time-Adaptive Hybrid Encryption Pipeline For Secure Text Processing Using AES, Homomorphic Encryption, and PQC**
   مجلة جامعة الكوت 11 (6), 485-504, 2026 | 2026
3. **Hybrid AdaBoost-PSO Model for Thyroid Disease Diagnosis**
   Proceedings of the International Conference on Applied Innovations in IT ..., 2025 | 2025
4. **AI-Based Intrusion Detection for Smart Grid Security**
   Proceedings of the International Conference on Applied Innovations in IT ..., 2025 | 2025 | Cited: 1
5. **Text Categorization for Information Retrieval Using NLP Models**
   Journal of Cybersecurity and Information Management | 2025
6. **An information security engineering framework for modeling packet filtering firewall using neutrosophic petri nets**
   Computers 12 (10), 202, 2023 | 2023 | Cited: 30
7. **Comparative study in enhancing AES algorithm: Data encryption**
   Wasit Journal for Pure sciences 2 (2), 316-339, 2023 | 2023 | Cited: 10
8. **A quantum-inspired ant colony optimization approach for exploring routing gateways in mobile ad hoc networks**
   Electronics 12 (5), 1171, 2023 | 2023 | Cited: 46
9. **Dynamic cryptography integrated secured decentralized applications with blockchain programming**
   Wasit Journal of Computer and Mathematics Science 1 (2), 14-22, 2022 | 2022 | Cited: 29
10. **COVID-19 Patterns Identification using Generative Adversarial Networks Based Implementation: Generative Adversarial Network (GAN)**
    Wasit Journal of Computer and Mathematics Science 1 (1), 10-19, 2022 | 2022 | Cited: 2
11. **Enhancement to the patient's health care image encryption system, using several layers of DNA computing and AES (MLAESDNA)**
    Periodicals of Engineering and Natural Sciences 9 (4), 928-947, 2021 | 2021 | Cited: 10
12. **Ecg encryption enhancement technique with multiple layers of aes and DNA computing**
    Intelligent Automation and Soft Computing | 2021 | Cited: 28
13. **A Novel Optimal Configuration of Neural Networks by Multi-Objective Genetic Algorithm and Ensemble-classifier approach**
    مجلة جامعة الكوت 6 (1), 66-82, 2021 | 2021

CONTACT

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jamalkh@uowasit.edu.iq

EDUCATION

Doctorate (2022-12-18)
Information Technology and communication
University Teknikal Malaysia Melaka

RESEARCH METRICS

h-index (Scopus)	5
h-index (GS)	7
Citations (Scopus)	99
Citations (GS)	180
Documents (Scopus)	12
Documents (GS)	39

AWARDS

- International Medal Award
- International Medal Award

RESEARCH INTERESTS

- Artificial intelligence- cybersecurity- networks

14. **Fog integrated secured and distributed environment for healthcare industry with software defined networking**
Wasit Journal of Computer and Mathematics Science, 13-23, 2021 | 2021 | Cited: 1

15. **Detail Study on Watermarking Techniques Proposed Wavelet based Watermarking and Prototype Development for Protecting Digital Images**
Jour of Adv Research in Dynamical & Control Systems 12 (3), 284-296, 2020 | 2020 | Cited: 1

16. **Literature Review: An Effectual Analytics of Image Watermarking Algorithms and Assorted Evaluation Patterns**
JASC: Journal of Applied Science and Computations 7 (2), 7-16, 2020 | 2020

17. **Literature Review: A Pragmatic Analysis of Protocols and Algorithms for Security and Integrity in Internet of Things (IoT)**
JASC: Journal of Applied Science and Computations 7 (2), 17-26, 2020 | 2020

18. **An Effectual and Pragmatic Analytics on the Impacts of Cloud based E-Learning in Academia**
Jour of Adv Research in Dynamical & Control Systems 12 (03-Special Issue ..., 2020 | 2020

19. **Smile detection using convolutional neural network and fuzzy logic**
Journal of Information Science and Engineering | 2020 | Cited: 11

20. **Frequency Dispersion of the Signal in the Recursive Digital Section of the Second Order**
Journal of Physics: Conference Series 1530 (12086), 1-8, 2020 | 2020 | Cited: 3

21. **Simulating and Evaluating Smart City Based Internet of Things Scenario on Assorted Dimensions**
International Journal of Computing and Corporate Research 9 (5), 13, 2019 | 2019

22. **INTEGRATED ENVIRONMENT FOR INTERNET OF THINGS WITH SEMANTIC WEB**
International Journal of Computing and Business Research 9 (3), 13, 2019 | 2019

23. **Fog Integrated Secured Mobile Cloud Architecture for Effectual Performance and Integrity using iFogSim**
Jour of Adv Research in Dynamical & Control Systems 11 (2), 1283, 2019 | 2019

24. **Big Data Enabled Approach for Predictive Analysis of Accuracy Aware Face Smile Detection in Assorted Domains**
Jour of Adv Research in Dynamical & Control Systems 10 (10), 8, 2018 | 2018 | Cited: 2

25. **Fuzzy Logic Integrated Security Aware Algorithm for Vulnerability Avoidance in Network Environment**
Jour of Adv Research in Dynamical & Control Systems 10 (10), 10, 2018 | 2018 | Cited: 6

26. **Face smile detection and predictive recognition using binary locality preserving projections**
Journal of Advanced Research in Dynamical and Control Systems 10, 768-776, 2018 | 2018 | Cited: 3

27. **Simulated Fermentation Telemedicine (Sft): A New Nature Inspired Approach For Cloud Based Diagnostic And Telemedicine Technology**
Jour of Adv Research in Dynamical & Control Systems 10 (10), 12, 2018 | 2018

28. **Blockchain Integrated Secured Architecture for Advance Wireless Networks in Internet of Things**
International Journal of Enterprise Computing and Business Systems 8 (2), 6, 2018 | 2018

29. **EFFECTUAL TELEMEDICINE DELIVERY ON VIRTUAL PRIVATE CLOUD IN SECURED PERSPECTIVES**
International Journal of Computing and Corporate Research 6 (5), 8, 2017 | 2017

30. **HIGHER PERFORMANCE DOCKER BASED TELEMEDICINE INTEGRATION USING VIRTUALIZED ENVIRONMENT**
International Journal of Enterprise Computing and Business Systems 10 (5), 10, 2017 | 2017

31. **A PRAGMATIC EVALUATION AND INTEGRATION AND OF TELEMEDICINE ON CLOUD ENVIRONMENT**
International Journal of Computing and Business Research 7 (3), 6, 2017 | 2017

32. **A MALICIOUS NODE DETECTION AND SECURITY MECHANISM OVER MANETS**
0

33. **AN EFFICIENT ALGORITHMIC APPROACH FOR DATA AGGREGATION IN WIRELESS SENSOR NETWORKS**
0

34. **Literature Review and Exploration: 5G Realm with the Fortifications and Vulnerabilities of Next-Generation Network Security**
0

35. **LITERATURE REVIEW AND COMPREHENSIVE EVALUATION SECURITY AND PRIVACY IN WIRELESS NETWORK AND INTERNET OF THINGS (IOT)**
0

36. **An Effectual Simulation of Smart City Scenario in Internet of Things**
0

37. **Implementation Patterns of Quantum Computing for Security and Cryptography Key Management**
0

38. **A PRAGMATIC REVIEW OF MALICIOUS NODES AND SECURITY ASPECTS IIN MOBILE AD HOC NETWORKS**
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