

Riyadh Rahef Nuiaa Alogaili

رياض رهيف نويع ثغاب العكيلي

Assistant Professor

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EDUCATION

(17-04-2023) دكتوراه
Cybersecurity
USM

RESEARCH METRICS

h-index (Scopus)	12
h-index (GS)	15
Citations (Scopus)	510
Citations (GS)	718
Documents (Scopus)	39
Documents (GS)	36

RESEARCH INTERESTS

• research interests focus on developing cybersecurity solutions using artificial intelligence, explainable artificial intelligence, machine learning, and deep learning, in addition to malware detection, phishing attack analysis, and intrusion detection systems.

PROFILE

An academic and researcher specializing in cybersecurity, currently serving as the Head of the Department of Cybersecurity. His research interests focus on developing cybersecurity solutions using artificial intelligence, explainable artificial intelligence, machine learning, and deep learning, in addition to malware detection, phishing attack analysis, and intrusion detection systems. He has extensive experience in designing and developing academic curricula, supervising student projects and scientific research, as well as contributing to manuscript evaluation and peer review for scholarly journals. He also serves on the editorial boards of reputable journals indexed in Scopus and Web of Science. He is committed to integrating emerging technologies with sustainable security solutions and seeks to employ scientific research in service of society and digital transformation, with particular interest in enhancing the skills of students and researchers and promoting quality higher education and academic excellence.

ACADEMIC TITLES

2024-01-21 Assistant Professor

TEACHING EXPERIENCE

Faculty Member
Wasit University
2020-01 - Present

COURSES

• cybersecurity
• Research Methodology
• Programming Fundamentals (CYBS101)
• Advanced Programming (CYBS111)
• OOP
• operating system 2

ADMINISTRATIVE POSITIONS

2026-09-01 - Present Head of Department

PUBLICATIONS (53)

1. Enhancing Classification Accuracy through Cluster-Based Ensemble Learning and Adaptive Weighting
Journal name (Journal abbreviation, eg, IJNS) 1 (1), 1-30, 2026 | 2026

2. Adaptive Federated Intrusion Detection Framework Using Quantum-Enhanced Harris Hawks Optimization for Edge-Based 6G Networks
Proceedings of the International Conference on Applied Innovations in IT ..., 2026 | 2026 | Cited: 1

3. **URL-Based Phishing Detection: A Comprehensive Review and New Taxonomy**
Journal of Al-Qadisiyah for Computer Science and Mathematics 18 (3), 74–89-74–89, 2026 | 2026

4. **AEGIS-BCO: a federated graph–temporal intelligence framework with outcome-aware multi-criteria decision making for proactive cybersecurity against evolving DDoS threats**
Journal of Computer Virology and Hacking Techniques 22 (1), 46, 2026 | 2026 | Cited: 1

5. **Hybrid EEG Feature Fusion Framework for Accurate Autism Spectrum Disorder Diagnosis Using Ensemble Learning**
IEEE Journal of Biomedical and Health Informatics, 2026 | 2026

6. **Interpretable Memory-behavior Modeling for Malware Detection Using Additive Explainable Learning.**
International Journal of Intelligent Engineering & Systems 19 (4), 531, 2026 | 2026

7. **HSD-GNN: An Explainability-guided Hybrid Static-dynamic Graph Neural Network for Intelligent Malware Detection.**
International Journal of Intelligent Engineering & Systems 19 (2), 96, 2026 | 2026 | Cited: 6

8. **Hybrid image encryption model based on Zernike moments keys generation and Rubik's cube scrambling**
IEEE Access, 2026 | 2026 | Cited: 2

9. **An Explainable Multi-Criteria Decision-Making Framework for Evaluating Malware Detection Models Across Heterogeneous Datasets**
Mathematical and Computational Applications 31 (5), 184, 2026 | 2026

10. **Causal-Temporal Graph Learning for Early Lateral Movement Detection in Enterprise Networks**
Advances in Engineering and Intelligence Systems 5 (03), 298-313, 2026 | 2026

11. **UCD-MP-IoTIDF: A Unified Cross-domain and Multi-protocol Intrusion Detection Framework with Calibrated Deep Learning and Multi-criteria Decision Making-based Model Selection.**
International Journal of Intelligent Engineering & Systems 19 (3), 927, 2026 | 2026

12. **The Lying Honeypot: An AI-Driven Cyber Deception Framework for Behavioral Threat Intelligence and Attacker Profiling**
2026 7th International Conference on Artificial Intelligence and Data ..., 2026 | 2026

13. **Hybridizing of Multi-Objective Coronavirus Herd Immunity Optimizer with Lévy Flight for Time Scheduling of Internet of Things Appliances in Smart Homes**
Mathematical and Computational Applications 31 (4), 150, 2026 | 2026 | Cited: 1

14. **EMBER-Based Static Malware Detection: A Critical Review of Accuracy, Explainability, and Temporal Robustness Trade-offs**
Journal of Al-Farabi for Engineering Sciences 5 (1), 66-93, 2026 | 2026 | Cited: 1

15. **HawkPhish-DNN cybersecurity model: adaptive hybrid optimization and deep learning for enhanced multi-objective phishing URL detection**
International Journal of Information Technology, 1-17, 2025 | 2025 | Cited: 16

16. **Hyper clustering model for dynamic network intrusion detection**
Iet Communications 19 (1), e12523, 2025 | 2025 | Cited: 47

17. **PhishNetVAE Cybersecurity Approach: An Integrated Variational Autoencoder and Deep Neural Network Approach for Enhancing Cybersecurity Strategies by Detecting Phishing Attacks**
International Journal of Intelligent Engineering and Systems | 2025 | Cited: 13

18. **Corrigendum to "Hybridizing flower pollination algorithm with particle swarm optimization for enhancing the performance of IPv6 intrusion detection system"[Alex. Eng. J. 104 ...**
Alexandria Engineering Journal 110, 376, 2025 | 2025

19. **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

20. **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

21. **DURABLE-RL: A Dynamic Uncertainty-aware Hybrid Reinforcement Learning Framework with Adaptive Buffer and Ensemble Modelling**
International Journal of Intelligent Engineering and Systems | 2025 | Cited: 6

22. **Anomaly-Aware Deep Learning for DDos Detection with Optimization and Knowledge Distillation**
Proceedings of the International Conference on Applied Innovations in IT ..., 2025 | 2025

23. **Multi-objective Markov-enhanced adaptive whale optimization (MOMEAWO) cybersecurity model for binary and multi-class malware cyberthreat classification**
Journal of Electronic Science and Technology, 100334, 2025 | 2025 | Cited: 5

24. **AMGET: An adaptive multimodal graph-enhanced transformer for cybersecure detection of evolving fake news on social media**
International Journal of Intelligent Engineering and Systems 18 (10), 2025 | 2025 | Cited: 6

25. **OptiGuard-GNN Cybersecurity Model: Leveraging Multi-Criteria Optimization and Graph Neural Networks for Enhanced Detection of Distributed Denial of Service Attacks.**
International Journal of Intelligent Engineering & Systems 18 (7), 792, 2025 | 2025 | Cited: 4

26. **Countermeasure to black hole attack in MANET wireless network security**
J Intell Syst Internet Things. 17 (2), 23-35, 2025 | 2025 | Cited: 3

27. **FortifyGuard Cybersecurity Model: Fortifying Cybersecurity through an Enhanced Marine Predators Algorithm and Transformer-Based Approach for Advanced Malware Detection**
International Journal of Intelligent Engineering and Systems | 2025 | Cited: 7

28. **Hybrid Multi-Descriptor and Deep Belief Network Model for Acute Lymphoblastic Leukaemia Diagnosis**
Fusion Practice and Applications | 2025

29. **Malware cyberattacks detection using a novel feature selection method based on a modified whale optimization algorithm**
Wireless Networks 30 (9), 7257-7273, 2024 | 2024 | Cited: 25

30. **Hybridizing flower pollination algorithm with particle swarm optimization for enhancing the performance of IPv6 intrusion detection system**
Alexandria Engineering Journal 104, 504-514, 2024 | 2024 | Cited: 22

31. **Hybrid extend particle swarm optimization (EPSO) model for enhancing the performance of MANET routing protocols**
Journal of Al-Qadisiyah for computer science and mathematics 15 (1), Page ..., 2023 | 2023 | Cited: 12

32. **A Critical Review: Revisiting Phishing Attacks Classification and Analysis of Techniques Employed in Taxonomies**
Wasit Journal for Pure sciences 2 (2), 251-269, 2023 | 2023 | Cited: 4

33. **Malware detection using deep learning and correlation-based feature selection**
Symmetry 15 (1), 123, 2023 | 2023 | Cited: 228

34. **Enhanced PSO Algorithm for Detecting DRDoS Attacks on LDAP Servers**
International Journal of Intelligent Engineering and Systems | 2023 | Cited: 15

35. **Dynamic clustering strategies boosting deep learning in olive leaf disease diagnosis**
Sustainability 15 (18), 13723, 2023 | 2023 | Cited: 18

36. **A hybrid cracked tiers detection system based on adaptive correlation features selection and deep belief neural networks**
Symmetry 15 (2), 358, 2023 | 2023 | Cited: 19

37. **Dynamic Clip Limit Window Size Histogram Equalization for Poor Information Images.**
International Journal of Intelligent Engineering & Systems 15 (5), 2022 | 2022 | Cited: 5

38. **Evolving Dynamic Fuzzy Clustering (EDFC) to Enhance DRDoS_DNS Attacks Detection Mechnism.**
International Journal of Intelligent Engineering & Systems 15 (1), 2022 | 2022 | Cited: 21

39. **Dynamic Evolving Cauchy Possibilistic Clustering Based on the Self-Similarity Principle (DECS) for Enhancing Intrusion Detection System.**
International Journal of Intelligent Engineering & Systems 15 (5), 2022 | 2022 | Cited: 4

40. **An enhanced mechanism for detection of Domain Name System–based distributed reflection denial of service attacks depending on modified metaheuristic algorithms and adaptive ...**
IET Networks 11 (5), 169-181, 2022 | 2022 | Cited: 19

41. **Enhancing the Performance of Detect DRDoS DNS Attacks Based on the Machine Learning and Proactive Feature Selection (PFS) Model.**
IAENG International Journal of Computer Science 49 (2), 2022 | 2022 | Cited: 17

42. **Trigonometric words ranking model for spam message classification**
IET Networks, 2022 | 2022 | Cited: 12

43. **A Comprehensive Review of DNS-based Distributed Reflection Denial of Service (DRDoS) Attacks: State-of-the-Art**
International Journal on Advanced Science Engineering and Information ..., 2022 | 2022 | Cited: 18

44. **A critical review of Optimization MANET routing protocols**
Wasit Journal of Computer and Mathematics Science 1 (4), 44-54, 2022 | 2022 | Cited: 8

45. **A new proactive feature selection model based on the enhanced optimization algorithms to detect DRDoS attacks**
Int. J. Electr. Comput. Eng 12 (2), 1869-1880, 2022 | 2022 | Cited: 41

46. **Distributed reflection denial of service attack: A critical review**
International Journal of Electrical and Computer Engineering 11 (6), 5327, 2021 | 2021 | Cited: 50

47. **GFRecog: A Generic Framework with Significant Feature Selection Approach for Face Recognition**
International Journal of Engineering & Technology 7 (3.20), 260-264, 2018 | 2018

48. **E-health state in middle east countries: an overview**
Turk Online J Design Art Commun 2018, 2974-90, 2018 | 2018 | Cited: 33

49. **Automatic routing and fault detection in mobile adhoc networks**
International Journal of Pure and Applied Mathematics 119 (10), 513-518, 2018 | 2018

50. **A Novel Multi-Attribute Authority Based Encryption for Controlling Access to Cloud Data**
Journal of Education College Wasit University 2 (25), 1257-1270, 2017 | 2017

51. **A Survey of Mobile Cloud Computing: Secure Channels Transmission in Mobile Cloud Computing**
Journal of Education College Wasit University 1 (22), 759-772, 2016 | 2016 | Cited: 1

52. **Energy Efficient Mobile Data Collection in Three Layered Wireless Sensor Networks**
مجلة كلية التربية, 14, 2016 | 2016 | Cited: 1

53. **Difference between Smartphone and normal phone for QoS based on cloud computing**
http://ijesc.org/ 10, 575-580, 2014 | 2014