



Rafid Sagban

رافد صكببان عبود كريم الجبوري

Associate Professor

PROFILE

Dr. Rafid holds a Bachelor in computer sciences from university of babylon, Babil, Iraq in 2001 and Higher Diploma in data security from iraqi commission for computers & informatics - informatics institute for postgraduate studies in 2002, Baghdad, Iraq. His Master's degree and Ph.D in information technology are both from northern university of malaysia, Sintok, Malaysia in 2011 and 2015 respectively. Rafid s research and development experience includes over 15 years in the Academia and Industry. He works in a multi-disciplinary environment involving algorithm analysis, swarm intelligence, business intelligence, internetworking, and web graphics and optimization. As IT specialist, database tracker, database & network manager and IT manager, he has enough experience in prominent international NGO organizations. In 2012, he has been elected as a first chair to the IEEE students branch in the northern university of malaysia. Furthermore, he is currently member of Machine Intelligence Research Labs, , USA; member of Iraqi Association for IT Specialists, Iraq; member of IEEE Computational Intelligence Society/ IEEE Malaysia Section, Malaysia; and reviewer of several international academic journals and conferences. Some of last academic activities can be found here. To see the last publications please click here. Last memberships are the editorial board of JUB (section editor), the Journal of University of Babylon, Iraq; Informatics Consulting Bureau (member), University of Babylon, Iraq; IEEE UUM Students' Branch (chair), Malaysia; Machine Intelligence Research Labs (member),USA; Iraqi Association for IT Specialists (member), Iraq; and IEEE Computational Intelligence Society (member)/ IEEE Malaysia Section, Malaysia.

ACADEMIC TITLES

2020-01-01 Associate Professor

ADMINISTRATIVE POSITIONS

2020-09-01 - Present Dean

PUBLICATIONS (40)

- Retraction notice to "Evaluating the potential of graphene-like boron nitride as a promising cathode for Mg-ion batteries"[J. Electroanal. Chem. 917 (2022) 116413]
Journal of Electroanalytical Chemistry 977, 118832, 2025 | 2025
- " Evaluating the potential of graphene-like boron nitride as a promising cathode for Mg-ion batteries"[J. Electroanal. Chem. 917 (2022) 116413]
JOURNAL OF ELECTROANALYTICAL CHEMISTRY 977, 2025 | 2025
- A Barrier-Based Machine Learning Approach for Intrusion Detection in Wireless Sensor Networks.
Computers, Materials & Continua 82 (3), 2025 | 2025 | Cited: 2
- Enhanced Diagnostic Precision: Deep Learning for Tumors Lesion Classification in Dermatology.
Intelligent Automation & Soft Computing 39 (6), 2024 | 2024 | Cited: 1
- Differentiating upper respiratory tract infections from COVID-19 signs and symptoms based on machine learning technique
AIP Conference Proceedings 3232 (1), 040019, 2024 | 2024 | Cited: 2

CONTACT

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EDUCATION

دكتوراه (13-12-2014)
Artificial Intelligence
Universiti Utara Malaysia

RESEARCH METRICS

h-index (Scopus)	14
h-index (GS)	15
Citations (Scopus)	448
Citations (GS)	571
Documents (Scopus)	32
Documents (GS)	39



6. **An integrated GIS-based multivariate adaptive regression splines-cat swarm optimization for improving the accuracy of wildfire susceptibility mapping**
Geocarto International, 2167005, 2023 | 2023 | Cited: 16
7. **Fitness-Dependent Optimizer for IoT Healthcare Using Adapted Parameters: A Case Study Implementation**
Practical Artificial Intelligence for Internet of Medical Things, 45-61, 2023 | 2023 | Cited: 17
8. **Oil Spill Segmentation from SAR Images Using Deep Neural Networks**
2022 International Symposium on Multidisciplinary Studies and Innovative ...;, 2022 | 2022 | Cited: 12
9. **Oil Spill Detection based on Machine Learning and Deep Learning: A Review**
2022 5th International Conference on Engineering Technology and its ...;, 2022 | 2022 | Cited: 46
10. **The effect of hydrophilic and hydrophobic surfaces on the thermal and atomic behavior of ammonia/copper nanofluid using molecular dynamics simulation**
Journal of Molecular Liquids 364, 119925, 2022 | 2022 | Cited: 40
11. **Optimization-Based Techniques for Sentiment-Oriented Text Summarization: A Concise Review**
NeuroQuantology 20 (8), 2230, 2022 | 2022 | Cited: 1
12. **A Unified Objective Ant Colony Optimization for Sentiment Oriented Text Summarization**
2022 International Symposium on Multidisciplinary Studies and Innovative ...;, 2022 | 2022 | Cited: 1
13. **Improved Self-Adaptive ACS Algorithm to Determine the Optimal Number of Clusters**
International Journal on Advanced Science, Engineering and Information ...;, 2021 | 2021 | Cited: 4
14. **Swarm intelligence in anomaly detection systems: an overview**
International Journal of Computers and Applications 43 (2), 109-118, 2021 | 2021 | Cited: 112
15. **Genetic-based pruning technique for ant-miner classification algorithm**
International Journal on Advanced Science, Engineering and Information ...;, 2021 | 2021 | Cited: 6
16. **Comparison of performance among forwarding strategies in CCN: Disaster scenarios**
International Journal on Communications Antenna and Propagation 11 (1), 33-41, 2021 | 2021
17. **Hybrid ant colony optimization and genetic algorithm for rule induction**
Journal of Computer Science 16 (7), 1019-1028, 2020 | 2020 | Cited: 23
18. **Hybrid bat-ant colony optimization algorithm for rule-based feature selection in health care**
International Journal of Electrical and Computer Engineering (IJECE) 10 (6 ...;, 2020 | 2020 | Cited: 26
19. **An improved ACS algorithm for data clustering**
Indones. J. Electr. Eng. Comput. Sci 17 (3), 1506-1515, 2020 | 2020 | Cited: 21
20. **Adaptive parameter control strategy for ant-miner classification algorithm**
Indonesian Journal of Electrical Engineering and Informatics (IJEI) 8 (1 ...;, 2020 | 2020 | Cited: 20
21. **Hybrid ant colony optimization and iterated local search for rules-based classification**
J. Theor. Appl. Inf. Technol 98 (04), 657-671, 2020 | 2020 | Cited: 26
22. **Balancing Exploration and Exploitation in ACS Algorithms for Data Clustering**
Journal of Theoretical and Applied Information Technology 97 (16), 2019 | 2019 | Cited: 11
23. **Annealing strategy for an enhance rule pruning technique in ACO-based rule classification**
Indones. J. Electr. Eng. Comput. Sci 16 (3), 1499-1507, 2019 | 2019 | Cited: 13
24. **A Comparative Evaluation of Parameter Adaptation Methods in Ant Colony Optimization**
Journal of Computational and Theoretical Nanoscience 16 (3), 1182-1189, 2019 | 2019 | Cited: 1
25. **Modified ACS centroid memory for data clustering**
Journal of Computer Science 15 (10), 1439-1449, 2019 | 2019 | Cited: 15
26. **Ant-based sorting and ACO-based clustering approaches: A review**
2018 IEEE Symposium on Computer Applications & Industrial Electronics ...;, 2018 | 2018 | Cited: 25
27. **Rule Pruning Techniques in the Ant-Miner Classification Algorithm and Its Variants: A Review**
2018 IEEE Symposium on Computer Applications & Industrial Electronics ...;, 2018 | 2018 | Cited: 41
28. **Ant Colony Optimization Algorithm for Rule-Based Classification: Issues and Potential Solutions**
Journal of Theoretical and Applied Information Technology 96 (21), 7139-7150, 2018 | 2018 | Cited: 16
29. **Analyzing the Application of Fourier and Wavelet Transformations for Image Noise Reduction**
International Journal of Science and Research 6 (11), 1053-1057, 2017 | 2017

30. **Reactive max-min ant system with recursive local search and its application to TSP and QAP**
Intelligent Automation & Soft Computing 23 (1), 127-134, 2017 | 2017 | Cited: 17
31. **Unified strategy for intensification and diversification balance in ACO metaheuristic**
2017 8th International Conference on Information Technology (ICIT), 139-143, 2017 | 2017 | Cited: 5
32. **Online Manuscript Access**
2016
33. **Reactive approach for automating exploration and exploitation in ant colony optimization**
Unpublished doctoral dissertation. Universiti Utara Malaysia, Malaysia, 2016 | 2016 | Cited: 6
34. **ACO istic: A nature-inspired exploration indicator for ant colony optimization**
Scientific World Journal | 2015
35. **ACOustic: A Nature-Inspired exploration indicator for ant colony optimization**
The Scientific World Journal 2015, 2015 | 2015 | Cited: 16
36. **Nature-inspired parameter controllers for ACO-based reactive search**
Research Journal of Applied Sciences, Engineering and Technology 11 (1), 109-117, 2015 | 2015 | Cited: 13
37. **Reactive max-min ant system: An experimental analysis of the combination with K-OPT local searches**
2015 | Cited: 2
38. **Research Article ACOustic: A Nature-Inspired Exploration Indicator for Ant Colony Optimization**
2015
39. **Reactive memory model for ant colony optimization and its application to TSP**
2014 IEEE International Conference on Control System, Computing and ...,, 2014 | 2014 | Cited: 14
40. **AUIQ Award for Iraqi Researchers: A Strategic Framework to Foster Research Excellence and Academic Competitiveness Across Iraqi Institutions**
Available at SSRN 5812373, 0 | 0