

University of Mosul \ College of Engineering \ Computer Engineering Department

Research published from 1/1/2023 to 30/8/2024

No.	Name of researcher(s)	Names of participating researchers	Research title	Year of publication	Journal Information (Full Name (of Journal	Journal classification	Impact factor or cite score of journal
1.	Hudhayfah Rabie Muhammad	Jassim Mohammed Abdul-Jabbar	EDGE COMPUTING ENABLED WIRELESS SENSOR NETWORKS: A CASE STUDY ON HYPERSPECTRAL IMAGE CLASSIFICATION	2023	Quantum Journal of Engineering, Science and Technology	International	
2.	Rabie Muwaffaq Hajim	Omar Mohammed Tahir	Monitoring and Predicting Overweight & Obesity Using Machine Learning	2023	International Research Journal of Innovations in Engineering and Technology;	International	
3.	Mohammed Tariq Mohammed	Basman Mahmoud, Rabie Mowaffaq	Low-Cost Smart Insulin Box: A Portable and Interactive System for Enhanced Diabetes Management	2023	Ingénierie des Systèmes d'Information	Scopus	cite score 2.5
4.	Mamoun Abdul-Jabbar	Shifaa Abdel-Rahman Daoud	SIMD implementation of deep CNNs for myopia detection on a single-board computer system	2023	Eastern-European Journal of Enterprise Technologies, 5 (9 (125)), 98–108.	Scopus	cite score: 2.0
5.	Ali Fadel Rashid	Rabie Muwaffaq Hajim	Underwater Robotics: Principles, Components, Modeling, and Control	2024	Al-Rafidain Engineering Journal (AREJ)	Local	
6.	Sarah Ibrahim Fathy	Mazen Hashem Aziz	Kinship Detection Based on Hand Geometry Using ResNet50 Model for Feature Extraction	2024	Al-Rafidain Engineering Journal (AREJ)	Local	
7.	Sarah Ibrahim Fathy	Mazen Hashem Aziz	A Dataset for Kinship Estimation from Image of Hand Using Machine Learning	2024	IRAQI JOURNAL FOR ELECTRICAL AND ELECTRONIC ENGINEERING (IJEED)	Scopus	Cite score 0.3
8.	Banan Khaled Abdel Qader	Mazen Hashem Aziz	Non-invasive Methods for Diagnosing Jaundice in Newborns: A Review	2024	International Journal of Advanced Natural Sciences and Engineering Researches	International	
9.	Zainab Ali Waad	Dhafer Abdel Fattah Abdel	Image Transmission Through	2024	Al-Rafidain Engineering Journal (AREJ)	Local	

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		Qader	Channel Coding Architecture				
10.	Zainab Bashar Ibrahim	Mayada Fares Ghanem	A Review of AI-Based Approaches against Wormhole and Blackhole Attacks in AODV Protocol	2024	Conference	Conference	
11.	Duaa Fares	Mayada Fares Ghanem	Design and analysis of face recognition system based on VGG-Face-16 with various classifiers	2024	IAES International Journal of Artificial Intelligence (IJ-AI)	Scopus	
12.	Zahraa Talal	Shifaa Abdel-Rahman Daoud	Deep Learning Video Prediction Based on Enhanced Skip Connection	2024	Iraqi Journal for Electrical and Electronic Engineering, Vol. 20 ,Issue 1 , June 2024	Scopus	
13.	Mamoun Abdul-Jabbar	Shifaa Abdel-Rahman Daoud	DCNN based Multi learning Multi classification approach of Ocular diseases using Heterogynous Computing	2024	Conference	Conference	
14.	Firas Sami	Qutayba Ibrahim	Smart Electrical Substation Cybersecurity Model Based on WPA3 and Cooperative Hybrid Intrusion Detection System (CHIDS)	2024	Smart Grids and Sustainable Energy	Scopus	
15.	Zina Ali	Qutaiba Ibrahim	Engineering Autonomous Mobility: Wired and Wireless CAN Bus Design Principles	2024	SAE International Journal of Electrified Vehicles	Scopus	
16.	Ula Marwan Asim	Ahlam Fadhel	Epileptic detection based on deep learning: A review	2024	Iraqi Journal for Electrical and Electronic Engineering	Scopus	
17.	Ula Marwan Asim	Ahlam Fadhel	A Novel for Seizure Prediction Using Artificial Intelligent and Electroencephalography	2024	Conference	Conference	
18.	Dani Zuhair Alyas	Salah Abdulghani Jaro	Design and Implementation of a University Campus Area Network (CAN)	2024	Journal of Network Security Computer Networks	International	
19.	Dani Zuhair Alyas	Salah Abdulghani Jaro	EFFICIENT ANDROID APPLICATION FOR	2024	Quantum Journal of Engineering, Science and Technology	International	

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			MATHEMATICAL PROBLEM SOLVING IN COMPUTER NETWORKING USING KOTLIN PROGRAMMING LANGUAGE				
20.	Noor Raad Saadallah	Salah Abdulghani Jaro	A comprehensive study on energy-efficient-based routing protocols in the Internet of things Part I: definition and classification	2024	Iran Journal of Computer Science	Scopus	
21.	Noor Raad Saadallah	Salah Abdulghani Jaro	An Energy Efficient and Scalable WSN with Enhanced Data Aggregation Accuracy	2024	JOURNAL OF TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY	Scopus and Clarivate	
22.	Noor Raad Saadallah	Salah Abdulghani Jaro	Energy-Efficient Cluster Head Selection via Genetic Algorithm	2024	Al-Rafidain Engineering Journal (AREJ)	Local	
23.	Sara Raed	Salah Abdulghani Jaro	Hot-spot aware multicost-based energy-efficient routing protocol for WBANs	2024	International Journal of Communication Systems	Scopus and Clarivate	
24.	Zahraa Tarik Mohammed	Salah Abdulghani Jaro	Techniques and methods for managing disasters and critical situations	2024	Natural Hazards	Scopus and Clarivate	
25.	Median Mohammed	Salah Abdulghani Jaro	Investigate and Study the Best Position of Base Station for WMSNs	2024	Wireless Personal Communications	Scopus and Clarivate	
26.	Mohammed Zaki Hasan	Salah Abdulghani Jaro	Power Control for Collaborative Sensors in Internet of Things Environments Using K-means Approach	2024	Lecture Notes in Networks and Systems	Scopus	
27.	Ali Mukhlif	Shifaa Abdulrahman Dawood	Towards Efficient Motor Imagery EEG-based BCI Systems using DCNN	2024	Conference 2024 Arab ICT Conference (AICTC)	Scopus	

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28.	Ahlam Fadhel	Ahmed Mamoon, Ammar Idrees	Resilient embedded system for classification respiratory diseases in a real time	2024	Biomedical Signal Processing and Control	Scopus	Cite score 4.9
29.	Farah Nazar Ibrahim	Sura Nawfal, Inaam Fathi, Qutaiba Ibrahim	High-Resolution and Secure IoT-Based Weather Station Design	2024	International Journal of Safety and Security Engineering	Scopus	Cite score 2.8
30.	Huthaifa L. Mohamed	Ahlam Fdahl MAHmood	QoE-Oriented Wireless Resources Scheduling for a Multipath Video Streaming: Survey	2024	Conference AIP Conf. Proc. 2944, 020015 (2024)	Scopus	Cite score 0.5
31.	Farah Nazar Ibrahim	Sura Nawfal, Inaam Fathi, Qutaiba Ibrahim	High-Resolution and Secure IoT-Based Weather Station Design	2024	International Journal of Safety and Security Engineering	Scopus	Cite score 2.8
32.	Noor Raad Saadallah	Salah Abdulghani Jaro	A Comprehensive Study on Energy Efficient-Cluster Based Routing Protocols in the Internet of Things: Hierarchical Routing Protocol	2023	Jordan Journal of Electrical Engineering	Scopus and Clarivate	Impact factor 0.2
33.	Noor Raad Saadallah	Salah Abdulghani Jaro	Using hybrid GA/PSO-mobile sink to improve energy efficiency and network lifetime for LEACH protocol in WSNs	2023	Conference 2023 IEEE 13th International Conference on System Engineering and Technology (ICSET)	Scopus	0
34.	Noor Raad Saadallah	Salah Abdulghani Jaro	Improve WSN Lifetime Based on K-Means, Genetic Clusters, and Data Compression	2023	Conference International Congress on Engineering Technology 2023	International	