University of Mosul \ College of Engineering \ Computer Engineering Department

Research published from 1/1/2021 to 30/12/2022

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.	Roaa Wadullah Tareq	Turkan Ahmed Khaleel	Implementation of MQTT Protocol in Health Care Based on IoT Systems: A Study	2021	International Journal of Electrical and Computer Engineering Systems	Scopus	1
2.	Mohammed Haqi Ismaeel	Shifaa Abdulrahman Dawood, Fakhruldin Hamed	A Review on Arabic Sign Language Recognition	2021	International Gournal of Advanced in Computer and Electronics Engineering	International	
3.	Mohammed Haqi Ismaeel	Shifaa Abdulrahman Dawood, Fakhruldin Hamed	Static Hand Gesture Recognition of Arabic Sign Language by using Deep CNNs	2021	Indonesian Journal of Electrical Engineering and Computer Science	Scopus	2.4
4.	Mohdar Ahmed		From Conventional to E-Learning	2021	NTU Journal for administrative and human science (NTU/JAHS)	Local	
5.	Mohammed Haqi Ismaeel	Shifaa Abdulrahman Dawood, Fakhruldin Hamed	Arabic Sign Language Detection using Deep Learning based Pose Estimation	2021	Information Technology To Enhance e-learning and Other (Application (IT-ELA	Conference	
6.	Ula Tarik	Shifaa Abdulrahman Dawood	Enhancement and Lightweight Fusion U-Net For Segmentation of Cardiac Structures in MRI	2021	2nd Information 2021 Technology To Enhance e-learning and Other Application ((IT-ELA	Conference	
7.	Zahraa Talal	Farah Nazar, Hasan Fakhry	A Review of Digital Image Fusion and its Application	2021	مجلة هندسة الرافدين	Local	
8.	Ahlam Fadhil Mahmood		Designing a collection of two IoT-Systems for real time Health telemonitoring	2021	Journal of engineering design and technology	Scopus	1.47
9.	Ahlam Fahil Mahmood	Hamed Abdulaziz Mahmood	Appending Global to Local features for skin lesion classification on dermo scope images	2021	Journal of engineering research	Scopus	1.49
10.	Qutaiba Ibrahem Ali	Isaam Jafar	Green Communication Infrastructure (GCI) Serving Different	2021	Current Chinese Computer Science	International	

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			Smart City Applications				
11.		Ahmed Mamoon	Communication and Network Technologies of IoT in Smart Building: A Survey	2021	Ntu Journal Of Engineering And Technology	Local	
12.		Salah Abdulghani Jaro	Design and Implementation of a Home Security System using Particle Photon	2021	Journal of Data Mining and Management	International	
13.		Salah Abdulghani Jaro	Performance Evaluation of Static and Random Distribution of Nodes on Energy consumption for Wireless Sensor Networks	2021	International Journal of Communication and Information Technology	International	
14.		Salah Abdulghani Jaro	Improved RPL protocol for low power and lossy network for IoT environment	2021	SN Computer Science	International	
15.	Qutaiba Ibrahem Ali	Abdulrahman Alhafiz, Huda Aqeel	A Survey of Different Security Methods in the Physical Layer of TCP/IP Model	2021	Eurasian Research Bulletin	International	
16.	Joan Atheel Ahmed		Rebuilding Ramadi in Concept of a Fractured City and Rules of Urban Coherence	2022	International Journal of Design & Nature and Ecodynamics	Scopus	1.5
17.	Mohammed Haqi Ismaeel	Shifaa Abdulrahman Dawood, Fakhruldin Hamed	Dynamic Hand Gesture Recognition of Arabic Sign Language by using Deep CNNs	2022	Indonesian Journal of Electrical Engineering and Computer Science vol.25, No.2	Scopus	2.4
18.	Mustafa S. Qassab	Qutaiba I. Ali	A Portable Health Clinic (Phc) Approach Using Self-Organizing Multi-Uav Network To Combat Covid-19 Pandemic Situation In Hotspot Areas	2022	Journal of Modern Technology and Engineering	International	

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19.	Ula Tariq	Shifaa Abdulrahman Dawood, Fakhruldin Hamed	U-Net Convolutional Networks Performance Based on Software-Hardware Cooperation Parameters: A Review	2022	International Journal of Computing and Digital Systems (Int. J. Com. Dig. Sys. 11, No.1 (Mar-2022)	Scopus	1.1
20.	Akram Abdulmajod		Rlc-Based Image Compression Using Wavelet Decomposition With Zero-Setting Of Unnecessary Sub-Bands	2022	Journal of Engineering Science and Technology	Scopus	1.2
21.	Turkan Ahmed Khaleel	AminaThaker Mohealde en, Rafal Basil Abdulma ged	Indoor Air Quality Monitoring Based On Wireless Sensor Network And Nodemcu Esp32s	2022	International Research Journal of Modernization in Engineering Technology and Science	International	
22.	Ahlam Fadhil	Qasim Abdullah, Hamed Abdulaziz	Design and implementation of a microcontroller training kit for blend learning	2022	Computer Applications in Engineering Education	Scopus	2.1
23.	Refed Adnan Jaleel	Refed Adnan Jaleel, Maysaloon Qasim, NOOR M. ALLAYLA	A Customized Iomt- Cloud Based Healthcare System For Analyzing Of Brain Signals Via Supervised Mining Algorithms	2022	Journal of Engineering Science and Technology	Scopus	1.01
24.	Refed Adnan Jaleel	Hasan Fakhry	An Effective Framework for Enhancing Performance of Internet of Things using Ant Colony Meta-Heuristic and Machine Learning Algorithms	2022	nd International 2 2022 : Conference on Advance Computing and Innovative Technologies in Engineering ((ICACITE	Conference	
25.	Ula Mawran	Ahmed Mamoon	CNN and Genetic Algorithm for Finger Vein Recognition	2022	*4th International Conference on Developments in eSystems Engineering (DeSE)*	Scopus	
26.	Basman M. Hasan	Rabee M. Hagem; Amar I.	Face Detection and Recognition Techniques Analysis	2022	International Conference 2022 on Computer Science and	Conference	

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	Alhafidh	Daood			(Software Engineering (CSASE		
27.	Shawkat Sabah		Realization of a 16-bit MIPS RISC pipeline processor	2022	2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA)	Scopus	
28.	Fayhaa Hameedi Khlaif	Shawkat Sabah Khairulla h	A Survey on Formal Verification Approaches for Dependable Systems	2022	International Journal of Advances in Computer and Electronics Engineering	International	
29.	Ahlam Fadil Mahmood		Cough/X- ray/CT (CXC) website for testing COVID-19 and auto-informing results	2022	Review of scientific insruments	Scopus and Clarivate	1.859
30.	Omar Ali Mustifa	Ahlam Fadhil Mahmood	An Edge computing towards smart applications : A survey	2022	Recent Advances in computer science and communications	Scopus	
31.	Sahar Khalid		A Modified Method For Selecting Singular Values In Image Compression Using Singular Value Decomposition	2022	Journal of Engineering Science and Technology	Scopus	1.6
32.	Qutaiba Ibrahem Ali	Firas Sami	Challenges, Trends and Solutions for Communication Networks and CyberSecurity in Smart Grid	2022	Current Chinese Engineering Science	International	
33.		Ahmed Mamoon	A Novel Method for Signature Verification Using Deep Learning	2022	Webology	Scopus	
34.		Ahmed Mamoon	Masked face with facial expression recognition based on deep learning	2022	Indonesian Journal of Electrical Engineering and Computer Science	Scopus	2.4
35.	Alaa Salim Abdulrazaq	Salah Abdulghani Jaro	A Survey of Cybersecurity and Encryption Algorithms for Internet of Things	2022	Journal of Computer Based Parallel Programming	International	

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
36.	Qaiyd Kitab Kayed	Salah Abdulghani Jaro	Performance Analysis of MAC Layer Protocols for WSN with Considering the Effects of Hidden Node Problem	2022	Asian Journal of Computer Science Engineering	International	
37.	Qaiyd Kitab Kayed	Salah Abdulghani Jaro	Performance Analysis of IEEE 802.11 and SMAC Protocols for WSN with Considering the Effects of Hidden Nodes Problem	2022	Journal of Network Security Computer Networks	International	
38.	Qaiyd Kitab Kayed	Salah Abdulghani Jaro	Performance Analysis of IEEE 802.15.4 and TDMA Protocols in Wireless Sensor Network with Considering the Effects of Hidden Node	2022	Journal of Network Security Computer Networks	International	
39.		Salah Abdulghani Jaro	Improvement of the WMSNs Lifetime using Multi-Hop Clustering Routing Protocol	2022	Wireless Networks	Scopus	Impact Factor = 2.701 , Cite Score = 4.7
40.	Hussain Mahmood Mohammed	Qutaiba Ibrahem Ali	E-Proctoring Systems: A Review On Designing Technique S, Features And Abilities Against Threats And Attacks	2022	Quantum Journal of Engineering, Science and Technology	International	
41.		Salah Abdulghani Jaro	New RPL Protocol for IoT Applications	2022	JOURNAL OF COMMUNICATIONS SOFTWARE AND SYSTEMS	Scopus and Clarivate	impact factor = (1.26), cite score = (2.1)
42.		Salah Abdulghani Jaro	Proposed RPL routing protocol in the IoT applications	2022	Concurrency and Computation: Practice and	Scopus and Clarivate	impact factor

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					Experience		= (1.831) , cite score =(3.8)
43.		Salah Abdulghani Jaro	A Review on Recent Research on Enhancement of AODV Routing for Wireless Body Area Networks (WBANs)	2022	Amity Journal of Computational Sciences	International	
44.		Salah Abdulghani Jaro	Energy Efficient Routing Protocol Based on Cross Layer for Wireless Sensor Networks	2022	Journal of Network Security Computer Networks	International	
45.		Salah Abdulghani Jaro	CPAOR: Control Packet Aware On-Demand Routing Protocol for WBANs	2022	International Journal of Sensors, Wireless Communications and Control	Scopus and Clarivate	impact factor = (0.529) , cite score = (1.1)
46.		Salah Abdulghani Jaro	An Overview of Energy Efficient Hierarchical Based Routing Protocols for Internet of Things	2022	Asian Journal of Computer Science Engineering	International	
47.	Qutaiba Ibrahem Ali	Mustafa Siham	Theory, Concepts and Future of Self Organizing Networks (SON)	2022	Recent Advances in Computer Science and Communications	Scopus	1.06