ESRAA MAHMOUD ALHENAWI

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Computer Science Department

Academic Rank: Assistant Professor
Membership:

1	Jordanian Engineers Association
2	Student Issues and Alumni Follow-up Committee - Zarqa University

Qualifications:

1	Ph.D (Doctor of Philosophy) – Computer Science
2	Master of Science - Computer Science
3	Bachelor of Computer Engineering

Teaching Experience:

#	From	To	Job description
1	24-9-2023	now	Assistant Professor Department of Computer Science (CS) Faculty of Information Technology Zarqa University.
2	25-9-2022	15-9-2023	Assistant Professor Faculty of information Technology AL Ahliyya Amman University.
3	2017	2020	Teaching Assistant – University of Jordan.
4	2013	2013	Teaching Assistant – Yarmouk University.
5	19-12-2011	20-12-2012	Trainee in Computer and Information Technology Unit - Directorate of public works.
6	30-5-2011	30-11-2011	Trainee in Department of Knowledge and Information Technology / Analysis and Programming - Irbid Municipality.

Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Feature selection methods on gene expression microarray data for cancer classification: A systematic review	Computers in biology and medicine	Volume 140, 2022, pp.105051 3360
2.	Intelligent system based on data mining techniques for prediction of preterm birth for women with cervical cerclage.	Computational biology and chemistry	Vol 85(1- May-2020, pp. 107233.
3.	A hybrid job scheduling algorithm based on Tabu and Harmony search algorithms	The Journal of Supercomputing	Vol 75(12), 12/ 2019, pp. 7994-8011.
4.	Fusion-based anomaly detection system using modified isolation forest for internet of things	Journal of Ambient Intelligence and Humanized Computing	2023, pp.1-15
5.	Parallel Ant Colony Optimization Algorithm for Finding the Shortest Path for Mountain Climbing	IEEE Access	2023 Jan 2, pp. 11:6185-96.
6.	Improved intelligent water drop-based hybrid feature selection method for microarray data processing	Computational biology and chemistry	Vol. 103 (2023), pp. 107809.
7.	An Improved Binary Owl Feature Selection in the Context of Android Malware Detection	Computers	2022 Nov 30;11(12), pp. 173.
8.	Arabic Documents Clustering using Bond Energy Algorithm and Genetic Algorithm	In2022 13th International Conference on Information and Communication Systems (ICICS).	2022 Jun 21 (pp. 4-8). IEEE.
9.	A New Network Digital Forensics Approach for Internet of Things Environment Based on Binary Owl Optimizer	Cybernetics and Information Technologies	2022 Sep 1;22(3), pp. 146-60.

10.	Mobile money fraud detection using data analysis and visualization techniques.	Multimedia Tools and Applications.	2023 Jul 21, pp. 1-6.
11.	Hybrid Feature Selection Method for Intrusion Detection Systems Based on an Improved Intelligent Water Drop Algorithm	Cybernetics and Information Technologies.	2022 Nov 1;22(4), pp. 73-90.
12.	Using a New Routing Metric in Paths Discovery Process for MAODV	Open Access Library Journal.	2018 Apr 4;5(4):1-1.
13.	Internet of Things: Underwater routing based on user's health status for smart diving	International Journal of Data and Network Science.	2023, Vol 7(4), pp. 1715-28.
14.	Employing CNN ensemble models in classifying dental caries using oral photographs	International Journal of Data and Network Science.	2023, Vol. 7(4), pp. 1535-50.
15.	An Optimized Image Steganography with High Embedding Capacity Based on Genetic Algorithm	Interdisciplinary Conference on Mechanics, Computers and Electrics (ICMECE)2022 At : Barcelona, Spain	10/2022
16.	Using a New Routing Metric in Paths Discovery Process for MDSR	International Journal of Engineering and Advanced Technology (IJEAT)	8/2019, Vol. 8.
17.	Maternal Smoking Status: Predictive Factors and Adverse Perinatal Outcomes: A Study in a Developing Country.	Scientific Reports.	Accepted for publication
18.	Choosing a Suitable Requirement Prioritization Method: A Survey	he Journal of Computer Science and Technology	Accepted for publication
19.	Effects of term weighting approach with and without stop words removing on Arabic text classification	The International Conference on	Accepted for publication

		Optimization and Applications	
20.	Construction A Scale Based on Dramatic Representation of the Sociological and Psychological Skills of students with Autism Spectrum Disorders and Verifying its Psychometric Properties.	International Journal of Membrane Science and Technology.	Accepted for publication
21.	Solving Traveling Salesman Problem using Parallel River Formation Dynamics Optimization Algorithm on Multi-core Architecture using Apache Spark.	International Journal of Computational Intelligence Systems.	Accepted for publication

Books:

#	Book Title	Publisher	Year
.1			

Translated Books:

#	Book Title	Publisher	Year
.1			

Articles:

#	Article Title	Publisher	Year
.1			

Conferences:

#	Paper Title	Organizing Institution	Conference
.1	An Optimized Image Steganography with High Embedding Capacity Based on Genetic Algorithm	Gazi University, Ankara, Turkey.	Interdisciplinary Conference on Mechanics, Computers and Electrics (ICMECE)2022At :Barcelona, Spain
.2	Arabic Documents Clustering using Bond Energy Algorithm and Genetic Algorithm	Jordan University of science and technology, Irbid, Jordan.	In2022 13th International Conference on Information and Communication Systems (ICICS).

Supervision of Theses:

#	Year	University	Thesis Title	Student Name
.1	2022	Al Ahliyya Amman University	Arabi Store	Isam Zrada ,Ibrahim Isam , Basel Jaraar ,Amer Abu Qaoud

Community Service Activities

#	Duartion	Activity
1		

Personal Information

Name	Esraa ALhenawi		
Place and Date of Birth	Al Yamen 27/3/1987		
Nationality	Jordanian		
Address	Irbid		
Work Tel No.	053821100	Sub:	2001