College of Education for Pure Science - Department of Computer Science (DCS)

Published Researches in International and Local Journals – 2024 – 2025

No.	Journal's Name	Publication Year	Type of Research	Title	Lecturer Name	Article Title
1	Technium	2024	International	Assistant professor	Nagham Tharwart	A multi-verse Optimizer Approach Based on a Salp Swarm for Image Feature Selection to Observe Changes in Urban
2	AIP Conf.	2025	Scopus	Lecturer	Shaimaa Ahmed	The three-level vote ensemble model to classify imbalanced data
3	MINAR International Journal of Applied Sciences and Technology	2025	International	Lecturer	Dr.Marwan Salim	EVALUATION PERFORMANCE OF SHORT-RANGE TECHNOLOGIES FOR SMART HOME ENVIRONMENT
4	AL-RAFIDAIN JOURNAL OF COMPUTER SCIENCES AND MATHEMATICS	2024	Local	Lecturer	Shaimaa Ahmed	A Composite Feature Selection Method to improve Classifying Imbalanced Big Data
5	Pakistan Journal of Life and Social Sciences (Scopus)	2025	Scopus	Assistant professor	Dr.Mohamad Alkawaz	Application of Multi Scale Fusion U-Net in Medical Image Segmentation

6	Journal of Logistics, Informatics and Service Science	2024	Scopus	Assistant professor	Dr.Mohamad Alkawaz	Semi-Supervised Medical Image Segmentation via Frequency Attention with DCT and Data Exchange: The FAS-Net Approach
7	Ingénierie des Systèmes d'Information	2024	Scopus	Lecturer	Dr.Asmaa Alqassab	Hyperspectral Image Classification Using Hybrid Swarm Feature Selection and Ensemble Classifier
8	AIP Cof.	2025	Scopus	Lecturer	Dr.Asmaa Alqassab	Increasing the accuracy of Melanoma classification by exploiting firefly algorithm and fine-tuned CNNs
9	Scientific Reports	2024	Scopus	Assistant professor	Dr.Mohamad Alkawaz	The diagnostic value of MRI segmentation technique for shoulder joint injuries based on deep learning
10	Jahrestagung der Gesellschaft für Informatik	2025	International	Assistant Lecturer	Ammar Ahmed	Virtual Reconstruction of Al-Baroud Khana Building: VR Model for the Cultural Heritage of Mosul
11	International Research Journal of Innovations in Engineering and Technology-IRJIET,	2025	Scopus	Assistant professor	Dr.Alaa Taqa	Text-to-Image Datasets: Characteristics, Challenges, and Opportunities
12	Journal of Information Hiding and Multimedia Signal Processing	2025	Scopus	Assistant professor	Dr.Mohamad Alkawaz	Enhanced Aspect-level Sentiment Analysis of User Reviews Using RoBERTa and Data Augmentation
13	Neural Computing and Applications	2025	Scopus	Assistant professor	Dr.Mohamad Alkawaz	Privacy Protection and Data Security in Intelligent Recommendation Systems

14	Applied Computer Science,	2024	Scopus	Lecturer	Manar Abdulkareem Al-Abaji	SHARPNESS IMPROVEMENT OF MAGNETIC RESONANCE IMAGES USING A GUIDED-SUBSUMED UNSHARP MASK FILTER
15	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	2024	International	Assistant Lecturer	Senan Adel Alhasan	Designing an Intelligent System for Garbage Management in Residential Districts Using IoT
16	AIP Conference Proceedings	2025	Scopus	Lecturer	Manar Abdulkareem Al-Abaji	Contrast enhancement of MR images using S-curve transforms with logarithmic image processing
17	Journal of Image and Graphics	2025	Scopus	Lecturer	Manar Abdulkareem Al-Abaji	Adapted Fast Gradient Projection Algorithm for Magnetic Resonance Image Denoising
18	International Journal of Safety & Security Engineering	2025	Scopus	Assistant Lecturer	Senan Adel Alhasan	Metamodeling-Based Drone Forensics Investigation: A Systematic Literature Review
19	Springer	2025	Scopus	Assistant professor	Dr.Alaa Taqa	A Proposed Item-Based Collaborative Model for e-Book Filtering Recommendation with a Weighted KNN