



# University of Central Punjab, Lahore

## Faculty of Information Technology & Computer Science (FOIT&CS) - 2023

### ▪ Journal Publications

Sr. No.	Faculty Member's Name	Publication Title	Journal	Category	Impact Factor	Year
1	Dr Rabia Tehseen	Learning analytics in programming courses: Review and implications	Education and Information Technologies	W	3.666	2023
2	Dr Rabia Tehseen	Detection of autism spectrum disorder (ASD) in children and adults using machine learning	Scientific Reports	W	4.996	2023
3	Dr Rabia Tehseen	Role of Internet of things in diabetes healthcare: Network infrastructure, taxonomy, challenges, and security model	Digital Health	W	4.687	2023
4	Dr Rabia Tehseen	The Role of IoT in Woman's Safety: A Systematic Literature Review	IEEE Access	W	3.476	2023
5	Dr Rabia Tehseen	FFM: Flood Forecasting Model Using Federated Learning	IEEE Access	W	3.476	2023
6	Dr Saeed Iqbal Khattak	On the Analyses of Medical Images Using Traditional Machine Learning Techniques and Convolutional Neural Networks	Archives of Computational Methods in Engineering	W	8.165	2023
7	Dr Saeed Iqbal Khattak	AMIAC: adaptive medical image analyzes and classification, a robust self-learning framework	Neural Computing and Applications	W	6	2023

8	Dr Saeed Iqbal Khattak	A Novel Heteromorphous Convolutional Neural Network for Automated Assessment of Tumors in Colon and Lung Histopathology Images	Biomimetics	W	4.5	2023
9	Dr Saeed Iqbal Khattak	Privacy-preserving collaborative AI for distributed deep learning with cross-sectional data	Multimedia Tools and Applications	W	3.6	2023
10	Dr Imran Arshad Choudhry & Dr Saeed Iqbal Khattak	Fusion of Textural and Visual Information for Medical Image Modality Retrieval Using Deep Learning-Based Feature Engineering	IEEE Access	W	3.9	2023
11	Dr Imran Arshad Choudhry & Dr Saeed Iqbal Khattak	Hybrid Diagnostic Model for Improved COVID-19 Detection in Lung Radiographs Using Deep and Traditional Features	Biomimetics	W	4.5	2023
12	Dr Imran Arshad Choudhry & Dr Saeed Iqbal Khattak	Dynamic learning for imbalanced data in learning chest X-ray and CT images	Heliyon	W	3.776	2023
13	Ahmad Arsalan	A Comprehensive Survey on the Cooperation of Fog Computing Paradigm-Based IoT Applications: Layered Architecture, Real-Time Security Issues, and Solutions	IEEE Access	W	3.9	2023
14	Ahmad Arsalan	Reduced network forwarding with controller enabled named software defined Internet of Mobile Things	Ad Hoc Networks	W	4.8	2023
15	Ahmad Arsalan	E-DRAFT: An Efficient Data Retrieval and Forwarding Technique for Named Data Network Based Wireless Multimedia Sensor Networks	IEEE Access	W	3.476	2023

16	Rabia Arshad	Two Terminal Instantaneous Power-Based Fault Classification and Location Techniques for Transmission Lines	Sustainability	W	3.889	2023
17	Rabia Arshad	Energy Efficiency and Throughput Optimization in 5G Heterogeneous Networks	Electronics (Switzerland)	W	2.69	2023
18	Rabia Arshad	Wavelet multiscale principal components and traveling waves enabled machine learning technique for protection of MT-HVDC systems	Energy Reports	W	5.2	2023
19	Waseem Akram	APT Adversarial Defence Mechanism for Industrial IoT Enabled Cyber-Physical System	IEEE Access	W	3.9	2023
20	Waseem Akram	Secure authentication protocol for home area network in smart grid-based smart cities	Computers and Electrical Engineering	W	4.152	2023
21	Dr Muhammad Adnan Aziz	Optimal Demand Response Using Battery Storage Systems and Electric Vehicles in Community Home Energy Management System-Based Microgrids	Energies	W	3.252	2023
22	Saira Andleeb Gillani	POSNet: a hybrid deep learning model for efficient person re-identification	Journal of Supercomputing	W	2.557	2023
23	Dr Naveed Hussain	PRUS: Product Recommender System Based on User Specifications and Customers Reviews	IEEE Access	W	3.9	2023
24	Wishal Arshad	Cancer Unveiled: A Deep Dive Into Breast Tumor Detection Using Cutting-Edge Deep Learning Models	IEEE Access	W	3.9	2023

25	Kanwal Atif, Saira Bano & Dr Syed Atif Mehdi	Systematic review: Potential effectiveness of educational robotics for 21st century skills development in young learners	Education and Information Technologies	W	5.5	2023
26	Dr Muhammad Zubair	A comprehensive computer- aided system for an early- stage diagnosis and classification of diabetic macular edema	Journal of King Saud University - Computer and Information Sciences	W	6.9	2023
27	Haroon Abdul Waheed	Improved Hybrid Deep Collaborative Filtering Approach for True Recommendations	Computers, Materials and Continua (Total 3 issues in 2023)	W	3.86	2023
28	Faizan Ahmed Khan	Intelligent optimization of Reference Evapotranspiration (ET <sub>o</sub> ) for precision irrigation	Journal of Computational Science	W	3.817	2023
29	Dr Mohsin Ashraf	A Hybrid CNN and RNN Variant Model for Music Classification	Applied Sciences (Switzerland) (2076-3417)	W	2.838	2023
30	Dr Muhammad Umair	Energy Theft Detection in Smart Grids with Genetic Algorithm-Based Feature Selection	Computers, Materials and Continua (Total 3 issues in 2023)	W	3.86	2023
31	Dr. Saira Andleeb Gillani	An autonomous decision- making framework for gait recognition systems against adversarial attack using reinforcement learning	ISA Transactions	W	5.911	2023
32	Dr. Aminullah	High-Definition Image Formation Using Multi- Stage Cycle Generative Adversarial Network with Applications in Image Forensic	Arabian Journal for Science and Engineering	W	2.9	2023
33	Saira Latif	Pragmatic evidence of cross-language link detection: A systematic literature review	The Journal of Systems and Software	W	3.5	2023

34	Dr. Saeed Iqbal Khattak	AD-CAM: Enhancing Interpretability of Convolutional Neural Networks with a Lightweight Framework - From Black Box to Glass Box	IEEE Journal of Biomedical and Health Informatics	W	7.7	2023
35	Dr. Saeed Iqbal Khattak	Privacy-preserving collaborative AI for distributed deep learning with cross-sectional data	Multimedia Tools and Applications	W	3.6	2023
36	Adeel Arif	Finite-Time Tracking of Moving Platform with Single Camera for Quadrotor Autonomous Landing	IEEE Transactions on Circuits and Systems I: Regular Papers	W	4.14	2023
37	Dr Muhammad Amjad Iqbal	Deep Learning for Sarcasm Identification in News Headlines	Applied Sciences (Switzerland)	W	2.838	2023
38	Annas Waseem Malik & Dr David Samuel Bhatti	Designing S-Box Using Tent-Sine Chaotic System While Combining the Traits of Tent and Sine Map	IEEE Access	W	3.9	2023
39	Mohsin Abbas	A Data-Driven Approach for the Identification of Features for Automated Feedback on Academic Essays	IEEE Transactions on Learning Technologies	W	3.7	2023
40	Dr Farhan Dawood	Class-Wise Classifier Design Capable of Continual Learning Using Adaptive Resonance Theory-Based Topological Clustering	Applied Sciences (Switzerland)	W	2.7	2023
41	Dr Muhammad Adnan Aziz	Cognitive Lightweight Logistic Regression-Based IDS for IoT-Enabled FANET to Detect Cyberattacks	Mobile Information Systems	X	1.863	2023
42	Dr Hafiz Mahfooz Ul Haque	A context-aware multi-agent reasoning based intelligent assistive formalism	Internet of Things (Netherlands)	X	5.9	2023

43	Saira Andleeb Gillani	Secure Gait Recognition-Based Smart Surveillance Systems Against Universal Adversarial Attacks	Journal of Database Management	X	2.656	2023
44	Muhammad Arham Tariq	Comparing Different Oversampling Methods in Predicting MultiClass Educational Datasets Using Machine Learning Techniques	Cybernetics and Information Technologies	X	1.2	2023
45	Faizan Ahmed Khan	Large Scale Fish Images Classification and Localization using Transfer Learning and Localization Aware CNN Architecture	Computer Systems Science and Engineering	X	4.397	2023
46	Dr Adnan Nabeel Qureshi	De-Noising Brain MRI Images by Mixing Concatenation and Residual Learning (MCR)	Computer Systems Science and Engineering	X	4.397	2023
47	Dr. Aminullah	Smart cities: the role of Internet of Things and machine learning in realizing a data-centric smart environment	Complex & Intelligent Systems	X	5.8	2023
48	Dr Adnan Nabeel Qureshi	Defending Adversarial Examples by a Clipped Residual U-Net Model	Intelligent Automation and Soft Computing	X	Non-Impact Factor in 2022 but in 2023 it has Imapct factor 2	2023
49	Dr Naveed Hussain	Comparison of pre-trained vs Custom-trained Word Embedding Models for Word Sense Disambiguation	Advances in Distributed Computing and Artificial Intelligence Journal	Y	Non-Impact Factor	2023

▪ **Conference & Miscellaneous Publications**

<b>Sr. No.</b>	<b>Faculty Member's Name</b>	<b>Paper Title</b>	<b>Conference Title</b>	<b>Year</b>
1	Wishal Arshad	Deep learning-based detection of breast cancer - A review	International Conference on Computing & Emerging Technologies	2023
2	Muhammad Ammar Hassan	Diabetic Retinopathy Classification of Fundus Images of eyes using Deep learning Algorithms	25th International Multi Topic Conference (INMIC 2023)	2023
3	Muhammad Umair Munir	A Framework of Quality-Aware Personalized Task Matching For Mobile Crowdsensing	IEEE	2023
4	Muhammad Arham Tariq	Anti-ant - framework for android malware detection and prevention using supervised learning	4th International Conference on Advancements in Computational Sciences (ICACS'23)	2023
5	Muhammad Arham Tariq	Predicting Early Withdrawal of University Students: A Comparative Study between KNN and Decision Tree	ICACS'23 4th International Conference on Advancements in Computational Sciences	2023
6	Asif Farooq	An Optimized Algorithm for Human Portrait Image Segmentation Using U-Net	ICACS'23 4th International Conference on Advancements in Computational Sciences	2023
7	Dr Syed Tanweer Shah Bukhari	Cognitive Approach to Hierarchical Task Selection for Human-Robot Interaction in Dynamic Environments	2023 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)	2023
8	Dr Saeed Iqbal Khattak	Intelligent Buffer Management Policy in Post Disaster Network Using DTN	25th International Multitopic Conference (INMIC)	2023
9	Awais Muhammad Lodhi	Intelligent Buffer Management Policy in Post Disaster Network Using DTN	25th International Multitopic Conference (INMIC)	2023