

Farzana Jabeen

Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Farzana Jabeen is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Farzana Jabeen has a PhD in Computer Science. Dr. Farzana Jabeen has published 15 research articles & conference papers having a citation count of 74, carried out 3 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Science	2015 - 2021
Tsinghua University , China	
MS in Computer Science	2010 - 2012
UET Lahore , Pakistan	
BSc in Computer Science	2005 - 2009
UET Lahore , Pakistan	

Experience

Assistant Professor	2021- Present
School of Electrical Engineering and Computer Science	
Research Associate	2012 - 2013
University of Engineering and Technology Lahore , Lahore	

Research Projects

National Projects	
ARG-PRISM: Machine Learning-based framework for precise identification of antibiotic resistance genes from metagenomes	2024
Funding Agency: NUST	
Amount: PKR 1,000,000.00	
Status: Approved_inprocess	
AgriDrone - Assisting farmers for yield improvement	2023
Funding Agency: NUST	
Amount: PKR 1,000,000.00	
Status: Approved_inprocess	
Gamification based Advanced Urdu Language Tutor for Visually Impaired	2022
Funding Agency: NUST	
Amount: PKR 750,000.00	
Status: Completed	

International Projects

Research Articles

A comparison of the effects of individual and team participation in gamified lessons on assessment performance

Fahad Ansari Tahira Anwar Lashari Farzana Jabeen Sidra Sultana Sana Anwar Lashari

Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition), Volume 43, Issue 08, Pages 87-106

Impact Factor: N/A

DOI: 10.5281/zenodo.13284791

2024

Investigating the quantum size effects of multi-walled carbon nanotubes (MWCNTs) in photocatalytic fermentative biohydrogen production

Hina Ramazan Faiqa Nadeem Muhammad Usman Muhammad Shahzaib Muneeb Ur Rehman Fuhua Shen Reeta Rani Singhania Farzana Jabeen Waheed Afzal Nadeem Tahir Zhiping Zhang

Journal of Cleaner Production, Volume 449, Article Number 141738

Impact Factor: 11.100 | Quartile: 1 | Citations: 6

DOI: <https://doi.org/10.1016/j.jclepro.2024.141738>

2024

Depolymerization of lignin: Recent progress towards value-added chemicals and biohydrogen production

Hina Ramazan Muhammad Usman Faiqa Nadeem Muhammad Shahzaib Muneeb Ur Rehman Reeta rani singhania Farzana Jabeen Anil Kumar patel Chunyao Qing Shengyong Liu Grzegorz Piechota Nadeem Tahir

Bioresource Technology, Volume 386, Article Number 129492

Impact Factor: 11.4 | Quartile: 1 | Citations: 32

DOI: <https://doi.org/10.1016/j.biortech.2023.129492>

2023

Enhancing biohydrogen production from lignocellulosic biomass of Paulownia waste by charge facilitation in Zn doped SnO2 nanocatalysts

Nadeem Tahir Faiqa Nadeem Farzana Jabeen Reeta Rani Singhania Umair Yaqub Qazi Anil Kumar patil Rahat Javaid Quanguo Zhang

Bioresource Technology, Volume 355, Article Number 127299

Impact Factor: 11.4 | Quartile: 1 | Citations: 36

DOI: <https://doi.org/10.1016/j.biortech.2022.127299>

2022

Conference Proceedings

Leukemia Cancer Classification using Micro Gene Array Dataset

Shifa Fatima Nazia Perwaiz Sidra Sultana Farzana Jabeen Nazia Perwaiz Tahira Anwar Lashari

21st International Conference on Frontiers of Information Technology (FIT'24), res.country(177,)

Citations: N/A

DOI: Nil

2024

Enhancing Intrusion detection: Leveraging Federated Learning and Hybrid Machine Learning Algorithms On ToN_IoT Dataset

Faiza Naeem Asad Waqar Malik Safdar Abbas Khan Farzana Jabeen

2023 International conference on frontiers of information technology, res.country(177,)

Citations: N/A

DOI: <https://doi.org/10.1109/FIT60620.2023.00023>

2023

UrbanEVSIm: Open-Source Electric Vehicle Mobility and Charging Simulation Platform

Hamna Rauf Syeda Sana Zehra Zaidi Hamna Naveed Dawood Mehmood Farzana Jabeen Farzana Jabeen Asad Waqar Malik

2023 International conference on frontiers of information technology, res.country(177,)

Citations: N/A

DOI: <https://doi.org/10.1109/FIT60620.2023.00023>

2023

C-SAK: Chinese Scanning Ambiguous Keyboard for Parkinson's Disease Patients

Farzana Jabeen Linmi Tao Xinyue Wang Shanshan Mei

IEEE 16th International Conference on Pervasive Intelligence and Computing, res.country(88,)

Citations: N/A

DOI: 10.1109/DASC/PiCom/DataCom/CyberSciTec.2018.00137

2021

Modeling Chinese Input Interaction for Patients with Cloud Based Learning

Farzana Jabeen Linmi Tao Tong Lin Shanshan Mei

IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computing, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation, res.country(231,)

Citations: N/A

2019

DOI: 10.1109/SmartWorld-UIC-ATC-SCALCOM-IOP-SCI.2019.00206

Improving Mobile Device interaction for Parkinson's Disease Patients via PD-Helper 2019

Farzana Jabeen Linmi Tao Yirou Guo Shiyu Zhang Shanshan Mei

The 31st International Conference on Software Engineering and Knowledge Engineering, res.country(183,)

Citations: N/A

DOI: 10.18293/SEKE2019-153

Mind interactive multimedia system for disabled people 2017

Farzana Jabeen Linmi Tao Xinyue Wang

10th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI), res.country(48,)

Citations: N/A

DOI: 10.1109/CISP-BMEI.2017.8302322

An Efficient Text Entry Model for Scanning Ambiguous Keyboard 2017

Farzana Jabeen Linmi Tao

9th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC), res.country(48,)

Citations: N/A

DOI: 10.1109/IHMSC.2017.23

One Bit Mouse for Virtual Reality 2016

Farzana Jabeen Linmi Tao Tian Linlin

2016 International Conference on Virtual Reality and Visualization (ICVRV), res.country(48,)

Citations: N/A

DOI: 10.1109/ICVRV.2016.81

Feed forward neural network training based interactive shopping for blind 2015

Farzana Jabeen Aslam Muhammad Ana Maria Martinez Enriquez

2015 12th International Conference on Electrical Engineering, Computing Science and Automatic Control, CCE 2015, res.country(156,)

Citations: N/A

DOI: 10.1109/ICEEE.2015.7357975

Speech based shopping assistance for the blind 2014

Farzana Jabeen Aslam Muhammad Ana Maria Martinez Enriquez Afraz Zahra Talha Waheed

6th Mexican Conference on Pattern Recognition, MCPR 2014, res.country(156,)

Citations: N/A

DOI: 10.1007/978-3-319-07491-7_37

Editorial Activities

N/A	2025
Reviewed Papers for Journals	
Impact Factor: N/A	
Frontiers in computer science	2024
Reviewed Papers for Journals	
Impact Factor: 2.6	
Reviewed Papers for Journals	2024
Impact Factor: N/A	
Frontiers in computer science	2024
Reviewed Papers for Journals	
Impact Factor: 2.6	
Reviewed Papers for Journals	2021
Impact Factor: N/A	
Reviewed Papers for Journals	2021
Impact Factor: N/A	
Reviewed Papers for Journals	2021
Impact Factor: N/A	
Reviewed Papers for Journals	2021
Impact Factor: N/A	