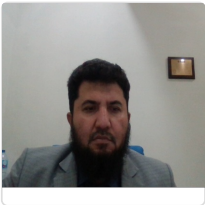


Muhammad Tahir

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About

Dr. Muhammad Tahir is working as Associate Professor in the NUST Balochistan Campus. Dr. Muhammad Tahir has a PhD in Computer Science. Dr. Muhammad Tahir has published 31 research articles & conference papers having a citation count of 673, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Science Pakistan Institute of Engineering and Applied Sciences (PIEAS) , Pakistan	2010 - 2014
MS in Computer Science National University of Computer & Emerging Sciences , Pakistan	2007 - 2009
MCS in Computer Science University of Peshawar , Pakistan	2003 - 2006
BSc in MathsA MathsB Computer Science University of Peshawar , Pakistan	2001 - 2003

Experience

Associate Professor NUST Balochistan Campus	2023- Present
Associate Professor Saudi Electronic University , Riyadh, Saudi Arabia	2021 - 2023
Assistant Professor Saudi Electronic University , Riyadh, Saudi Arabia	2015 - 2021
Assistant Professor City University of Science and Information Technology , Peshawar	2014 - 2015
Lecturer City University of Science and Information Technology , Peshawar	2014 - 2014
Lecturer National University of Computer and Emerging Sciences , Peshawar	2013 - 2014

Research Articles

Image colorization: A survey and dataset Saeed Anwar Muhammad Tahir Chongyi Li Ajmal Mian Fahad Shahbaz Khan Abdul Wahab Muzaffar Information Fusion , Volume 188, Article Number 115537 Impact Factor: 14.800 Quartile: 1 Citations: 11 DOI: https://doi.org/10.1016/j.inffus.2024.102720	2025
OsteoNet - A Framework for Identifying Osteoporosis in Bone Radiograph Images Using Attention-Based VGG Network Abdul Wahab Muzaffar Farhan Riaz Muhammad Tahir IEEE Access , Volume:13, Pages 25175-25185 Impact Factor: 3.400 Quartile: 2 Citations: 1 DOI: https://doi.org/10.1109/ACCESS.2025.3538828	2025
Blockchain-Enabled Decentralized Trustworthy Framework Envisioned for Patient-Centric Community Healthcare Mohammad Khalid Imam Rahmani Javed Ali Surbhi Bhatia Khan Muhammad Tahir	2024

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Classification of Gastric Lesions Using Gabor Block Local Binary Patterns <i>Muhammad Tahir Farhan Riaz Imran Usman Muhammad Ibrahim Habib</i> <i>Computer Systems Science and Engineering</i> , Volume 46(3), Pages 4007-4022 Impact Factor: 4.397 Quartile: 1 DOI: https://doi.org/10.32604/csse.2023.032359	2023
Efficient link prediction model for real-world complex networks using matrix-forest metric with local similarity features <i>Haji Gul Adnan Amin Feras Al-Obeidat Muhammad Tahir Kaizhu Huang</i> <i>Journal of Complex Networks</i> , Volume 10, Issue 5, Article Number cnac039 Impact Factor: 2.1 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1093/comnet/cnac039	2022
Image Aesthetic Assessment: A Comparative Study of Hand-Crafted & Deep Learning Models <i>Abbas Anwar Saira Kanwal Muhammad Tahir Muhammad Saqib Muhammad Uzair Mohammad Khalid Imam Rahmani Habib Ullah</i> <i>IEEE Access</i> , Volume 10, Pages 101770-101789 Impact Factor: 3.9 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1109/ACCESS.2022.3209196	2022
Deep localization of subcellular protein structures from fluorescence microscopy images <i>Muhammad Tahir Saeed Anwar Ajmal Mian Abdul Wahab Muzaffar</i> <i>Neural Computing and Applications</i> , Volume 34, Issue 7, Pages 5701-5714 Impact Factor: 6.0 Quartile: 2 Citations: 5 DOI: https://doi.org/10.1007/s00521-021-06715-y	2022
Statistical Analysis of Hydrodynamic Forces in Power-Law Fluid Flow in a Channel: Circular Versus Semi-Circular Cylinder <i>Rashid Mahmood Afraz Hussain Majeed Muhammad Tahir Imran Saddique Nawaf N. Hamadneh Ilyas Khan Asif Mehmood</i> <i>Frontiers in Physics</i> , Volume 10, Article Number 830408 Impact Factor: 3.100 Quartile: 2 Citations: 4 DOI: https://doi.org/10.3389/fphy.2022.830408	2022
Quantum Particle Swarm Optimization Based Convolutional Neural Network for Handwritten Script Recognition <i>Reya Sharma Bajinath Kaushik Naveen Kumar Gondhi Muhammad Tahir Mohammad Khalid Imam Rahmani</i> <i>Computers, Materials and Continua</i> , Volume 71, Issue 2, Pages 5855-5873 Impact Factor: 3.1 Quartile: 3 Citations: 10 DOI: http://dx.doi.org/10.32604/cmc.2022.024232	2022
Fusion of infrared and visible images using fuzzy based siamese convolutional network <i>Kanika Bhalla Deepika Koundal Surbhi Bhatia Mohammad Khalid Imam Rahmani Muhammad Tahir</i> <i>Computers, Materials and Continua</i> , Volume 70, Issue 3, Pages 5503-5518 Impact Factor: 3.1 Quartile: 3 Citations: 46 DOI: https://doi.org/10.32604/cmc.2022.021125	2022
Transformers in pedestrian image retrieval and person re-identification in a multi-camera surveillance system <i>Muhammad Tahir Saeed Anwar</i> <i>Applied Sciences</i> , Volume 11, Issue 19, Article Number 9197 Impact Factor: 2.838 Quartile: 2 Citations: 10 DOI: https://doi.org/10.3390/app11199197	2021
Knowledge Extraction and Data Visualization: A Proposed Framework for Secure Decision Making using Data Mining <i>Hazzaa N. Alshareef Ahmed Majrashi Maha Helal Muhammad Tahir</i> <i>International Journal of Advanced Computer Science and Applications</i> , Volume 12, Issue 8, Pages 483-489 Impact Factor: N/A Citations: 6 DOI: https://dx.doi.org/10.14569/IJACSA.2021.0120856	2021
Forecasting Stock Market Volatility Using Hybrid of Adaptive Network of Fuzzy Inference System and Wavelet Functions	2021

<p><i>Abdullah H. Alenezy Mohd Tahir Ismail S. Al Wadi Muhammad Tahir Nawaf N. Hamadneh Jamil J. Jaber Waqar A. Khan</i> <i>Journal of Mathematics</i> , Volume 2021, Article ID 9954341, 10 pages</p> <p>Impact Factor: 1.555 Quartile: 1 Citations: 15 DOI: https://doi.org/10.1155/2021/9954341</p>	
<p>Application of Radial Basis Function Neural Network Coupling Particle Swarm Optimization Algorithm to Classification of Saudi Arabia Stock Returns</p> <p><i>Khudhayr A. Rashedi Mohd Tahir Ismail Nawaf N. Hamadneh S. AL Wadi Jamil J. Jaber Muhammad Tahir</i> <i>Journal of Mathematics</i> , Volume 2021, Article ID 5593705, 8 pages</p> <p>Impact Factor: 1.555 Quartile: 1 Citations: 15 DOI: https://doi.org/10.1155/2021/5593705</p>	2021
<p>Optimizing service composition (Sc) using smart multistage forward search (smfs)</p> <p><i>Issam Alhadid Hassan Tarawneh Khalid Kaabneh Ra'ed Masa'deh Nawaf N. Hamadneh Muhammad Tahir Sufian Khwaldeh</i> <i>Intelligent Automation and Soft Computing</i> , Volume 28, Issue 2, Pages 321-336</p> <p>Impact Factor: 3.401 Quartile: 2 Citations: 3 DOI: https://doi.org/10.32604/iasc.2021.014892</p>	2021
<p>A systematic review of online exams solutions in e-learning: Techniques, tools, and global adoption</p> <p><i>Abdul Wahab Muzaffar Muhammad Tahir Muhammad Waseem Anwar Qaiser Mehmood Ch Shamaila Rasheed Mir Yawar Rasheed</i> <i>IEEE Access</i> , Volume 9, Pages 32689-32712</p> <p>Impact Factor: 3.476 Quartile: 2 Citations: 104 DOI: https://doi.org/10.1109/ACCESS.2021.3060192</p>	2021
<p>Machine Learning-Enabled Power Scheduling in IoT-Based Smart Cities</p> <p><i>Nabeela Awan Salman Khan Mohammad Khalid Imam Rahmani Muhammad Tahir Nur Alam MD Ryan Alturki Ihsan Ullah</i> <i>Computers, Materials and Continua</i> , Volume 67, Issue 2, Pages 2449-2462</p> <p>Impact Factor: 3.860 Quartile: 2 Citations: 19 DOI: https://doi.org/10.32604/cmc.2021.014386</p>	2021
<p>Using artificial neural network with prey predator algorithm for prediction of the COVID-19: The case of Brazil and Mexico</p> <p><i>Nawaf N. Hamadneh Muhammad Tahir Waqar A. Khan</i> <i>Mathematics</i> , Volume 9, Issue 2, Pages 1-14</p> <p>Impact Factor: 2.592 Quartile: 1 Citations: 24 DOI: https://doi.org/10.3390/math9020180</p>	2021
<p>Students' perception towards e-learning during covid-19 pandemic in India: An empirical study</p> <p><i>Mohammed Arshad Khan Vivek Mohammed Kamalun Nabi Maysoon Khojah Muhammad Tahir</i> <i>Sustainability</i> , Volume 13, Issue 1, Article Number 57</p> <p>Impact Factor: 3.251 Quartile: 2 Citations: 174 DOI: https://doi.org/10.3390/su13010057</p>	2020
<p>Discrimination of golgi proteins through efficient exploitation of hybrid feature spaces coupled with smote and ensemble of support vector machine</p> <p><i>Muhammad Tahir Fazlullah Khan Mohammad Khalid Imam Rahmani Vinh Truong Hoang</i> <i>IEEE Access</i> , Volume 8, Pages 206028-206038</p> <p>Impact Factor: 3.367 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1109/ACCESS.2020.3037343</p>	2020
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2018

Matrix

Muhammad Tahir
Journal of King Saud University Science, Volume 30, Issue 1, Pages 29-40

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DOI: <https://doi.org/10.1016/j.jksus.2016.12.004>

Protein subcellular localization of fluorescence microscopy images: Employing new statistical and Texton based image features and SVM based ensemble classification

2016

Muhammad Tahir Asifullah Khan
Information Sciences, Volume 345, Pages 65-80

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Journal of Theoretical Biology, Volume 346, Pages 8-15

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2014

Muhammad Tahir Asifullah Khan Hüseyin Kaya
Journal of Theoretical Biology, Volume 340, Pages 85-95

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Subcellular localization using fluorescence imagery: Utilizing ensemble classification with diverse feature extraction strategies and data balancing

2013

Muhammad Tahir Asifullah Khan Abdul Majid Alessandra Lumini
Applied Soft Computing, Volume 13, Issue 11, Pages 4231-4243

Impact Factor: 2.679 | **Quartile:** 1 | **Citations:** 20
DOI: <https://doi.org/10.1016/j.asoc.2013.06.027>

MitProt-Pred: Predicting mitochondrial proteins of Plasmodium falciparum parasite using diverse physiochemical properties and ensemble classification

2013

Asifullah Khan Muhammad Tayyeb Mirza Muhammad Tahir Yeon Soo Lee
Computers in Biology and Medicine, Volume 43, Issue 10, Pages 1502-1511

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2012

Muhammad Tahir Asifullah Khan Abdul Majid
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Conference Proceedings

Brain MRI Classification Using Gradient Boosting

2020

Muhammad Tahir
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Editorial Activities

International Journal of Electronic Security and Digital Forensics Reviewed Papers for Journals Impact Factor: 0.4	2024
Journal of Innovative Digital Transformations Reviewed Papers for Journals Impact Factor: N/A	2024
Network: Computation in Neural Systems Reviewed Papers for Journals Impact Factor: 1.1	2024
Journal of Innovative Digital Transformations Reviewed Papers for Journals Impact Factor: 0	2024
International Journal of Imaging Systems and Technology Reviewed Papers for Journals Impact Factor: 3.0	2024
International Journal of Imaging Systems and Technology Reviewed Papers for Journals Impact Factor: 3.3	2024
Biochemistry and Cell Biology Reviewed Papers for Journals Impact Factor: 2.9	2024
Current Bioinformatics Reviewed Papers for Journals Impact Factor: 4.0	2023