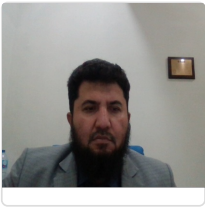# Muhammad Tahir

Associate Professor

NUST Balochistan Campus

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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   2010 - 2014
Pakistan Institute of Engineering and Applied Sciences (PIEAS) , Pakistan

MS in Computer Science   2007 - 2009
National University of Computer & Emerging Sciences , Pakistan

MCS in Computer Science   2003 - 2006
University of Peshawar , Pakistan

BSc in MathsA MathsB Computer Science   2001 - 2003
University of Peshawar , Pakistan

Experience

Associate Professor   2023- Present
NUST Balochistan Campus

Associate Professor   2021 - 2023
Saudi Electronic University , Riyadh, Saudi Arabia

Assistant Professor   2015 - 2021
Saudi Electronic University , Riyadh, Saudi Arabia

Assistant Professor   2014 - 2015
City University of Science and Information Technology , Peshawar

Lecturer   2014 - 2014
City University of Science and Information Technology , Peshawar

Lecturer   2013 - 2014
National University of Computer and Emerging Sciences , Peshawar

Research Articles

Image colorization: A survey and dataset   2025
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

OsteoNet - A Framework for Identifying Osteoporosis in Bone Radiograph Images Using Attention-Based VGG Network   2025
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

Blockchain-Enabled Decentralized Trustworthy Framework Envisioned for Patient-Centric Community Healthcare   2024
Mohammad Khalid Imam Rahmani Javed Ali Surbhi Bhatia Khan Muhammad Tahir

Classification of Gastric Lesions Using Gabor Block Local Binary Patterns 2023

Muhammad Tahir Farhan Riaz Imran Usman Muhammad Ibrahim Habib

Efficient link prediction model for real-world complex networks using matrix-forest metric with local similarity features 2022

Haji Gul Adnan Amin Feras Al-Obeidat Muhammad Tahir Kaizhu Huang

Image Aesthetic Assessment: A Comparative Study of Hand-Crafted & Deep Learning Models 2022

Abbas Anwar Saira Kanwal Muhammad Tahir Muhammad Saqib Muhammad Uzair Mohammad Khalid Imam Rahmani Habib Ullah

Deep localization of subcellular protein structures from fluorescence microscopy images 2022

Muhammad Tahir Saeed Anwar Ajmal Mian Abdul Wahab Muzaffar

Statistical Analysis of Hydrodynamic Forces in Power-Law Fluid Flow in a Channel: Circular Versus Semi-Circular Cylinder 2022

Rashid Mahmood Afraz Hussain Majeed Muhammad Tahir Imran Saddique Nawaf N. Hamadneh Ilyas Khan Asif Mehmood

Quantum Particle Swarm Optimization Based Convolutional Neural Network for Handwritten Script Recognition 2022

Reya Sharma Baijnath Kaushik Naveen Kumar Gondhi Muhammad Tahir Mohammad Khalid Imam Rahmani

Fusion of infrared and visible images using fuzzy based siamese convolutional network 2022

Kanika Bhalla Deepika Koundal Surbhi Bhatia Mohammad Khalid Imam Rahmani Muhammad Tahir

Transformers in pedestrian image retrieval and person re-identification in a multi-camera surveillance system 2021

Muhammad Tahir Saeed Anwar

Knowledge Extraction and Data Visualization: A Proposed Framework for Secure Decision Making using Data Mining 2021

Hazzaa N. Alshareef Ahmed Majrashi Maha Helal Muhammad Tahir

Forecasting Stock Market Volatility Using Hybrid of Adaptive Network of Fuzzy Inference System and Wavelet Functions 2021

Abdullah H. Alenezy Mohd Tahir Ismail S. Al Wadi Muhammad Tahir Nawaf N. Hamadneh Jamil J. Jaber Waqar A. Khan

Journal of Mathematics, Volume 2021, Article ID 9954341, 10 pages

Impact Factor: 1.555 | **Quartile:** 1 | **Citations:** 15
DOI: https://doi.org/10.1155/2021/9954341

Application of Radial Basis Function Neural Network Coupling Particle Swarm Optimization Algorithm to Classification of Saudi Arabia Stock Returns 2021

Khudhayr A. Rashedi Mohd Tahir Ismail Nawaf N. Hamadneh S. AL Wadi Jamil J. Jaber Muhammad Tahir

Journal of Mathematics, Volume 2021, Article ID 5593705, 8 pages

Impact Factor: 1.555 | **Quartile:** 1 | **Citations:** 15
DOI: https://doi.org/10.1155/2021/5593705

Optimizing service composition (Sc) using smart multistage forward search (smfs) 2021

Issam Alhadid Hassan Tarawneh Khalid Kaabneh Ra'ed Masa'deh Nawaf N. Hamadneh Muhammad Tahir Sufian Khwaldeh

Intelligent Automation and Soft Computing, Volume 28, Issue 2, Pages 321-336

Impact Factor: 3.401 | **Quartile:** 2 | **Citations:** 3
DOI: https://doi.org/10.32604/iasc.2021.014892

A systematic review of online exams solutions in e-learning: Techniques, tools, and global adoption 2021

Abdul Wahab Muzaffar Muhammad Tahir Muhammad Waseem Anwar Qaiser Mehmood Ch Shamaila Rasheed Mir Yawar Rasheed

IEEE Access, Volume 9, Pages 32689-32712

Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 104
DOI: https://doi.org/10.1109/ACCESS.2021.3060192

Machine Learning-Enabled Power Scheduling in IoT-Based Smart Cities 2021

Nabeela Awan Salman Khan Mohammad Khalid Imam Rahmani Muhammad Tahir Nur Alam MD Ryan Alturki Ihsan Ullah

Computers, Materials and Continua, Volume 67, Issue 2, Pages 2449-2462

Impact Factor: 3.860 | **Quartile:** 2 | **Citations:** 19
DOI: https://doi.org/10.32604/cmc.2021.014386

Using artificial neural network with prey predator algorithm for prediction of the COVID-19: The case of Brazil and Mexico 2021

Nawaf N. Hamadneh Muhammad Tahir Waqar A. Khan

Mathematics, Volume 9, Issue 2, Pages 1-14

Impact Factor: 2.592 | **Quartile:** 1 | **Citations:** 24
DOI: https://doi.org/10.3390/math9020180

Students' perception towards e-learning during covid-19 pandemic in India: An empirical study 2020

Mohammed Arshad Khan Vivek Mohammed Kamalun Nabi Maysoon Khojah Muhammad Tahir

Sustainability, Volume 13, Issue 1, Article Number 57

Impact Factor: 3.251 | **Quartile:** 2 | **Citations:** 174
DOI: https://doi.org/10.3390/su13010057

Discrimination of golgi proteins through efficient exploitation of hybrid feature spaces coupled with smote and ensemble of support vector machine 2020

Muhammad Tahir Fazlullah Khan Mohammad Khalid Imam Rahmani Vinh Truong Hoang

IEEE Access, Volume 8, Pages 206028-206038

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 7
DOI: https://doi.org/10.1109/ACCESS.2020.3037343

A Reliable Communication and Load Balancing Scheme for Resource-Limited Networks 2020

Xiuping Zheng Asma Idrees Fazlullah Khan Saima Anwar Lashari Rahim Khan Meiling Li Muhammad Tahir Mian Ahmad Jan

IEEE Access, Volume 8, Pages 179921-179930

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 7
DOI: https://doi.org/10.1109/ACCESS.2020.3027688

MD-LBP: An efficient computational model for protein subcellular localization from hela cell lines using SVM 2020

Muhammad Tahir Adnan Idris

Current Bioinformatics, Volume 15, Issue 3, Pages 204-211

Impact Factor: 3.543 | **Quartile:** 1 | **Citations:** 24
DOI: 10.2174/1574893614666190723120716

Efficient computational model for classification of protein localization images using Extended Threshold Adjacency Statistics and Support Vector Machines 2018

Muhammad Tahir Bismillah Jan Maqsood Hayat Shakir Ullah Shah Muhammad Amin

Computer Methods and Programs in Biomedicine, Volume 157, Pages 205-215

Impact Factor: 3.424 | **Quartile:** 1 | **Citations:** 11

DOI: https://doi.org/10.1016/j.cmpb.2018.01.021

Pattern analysis of protein images from fluorescence microscopy using Gray Level Co-occurrence Matrix 2018

Muhammad Tahir

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

Impact Factor: 2.835 | **Quartile:** 2 | **Citations:** 25

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

Impact Factor: 4.832 | **Quartile:** 1 | **Citations:** 28

DOI: https://doi.org/10.1016/j.ins.2016.01.064

Prediction of protein structure classes using hybrid space of multi-profile Bayes and bi-gram probability feature spaces 2014

Maqsood Hayat Muhammad Tahir Sher Afzal Khan

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

Impact Factor: 2.116 | **Quartile:** 2 | **Citations:** 39

DOI: https://doi.org/10.1016/j.jtbi.2013.12.015

Protein subcellular localization in human and hamster cell lines: Employing local ternary patterns of fluorescence microscopy images 2014

Muhammad Tahir Asifullah Khan Hüseyin Kaya

Journal of Theoretical Biology, Volume 340, Pages 85-95

Impact Factor: 2.116 | **Quartile:** 2 | **Citations:** 12

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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

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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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DOI: https://doi.org/10.1016/j.compbiomed.2013.07.024

Protein subcellular localization of fluorescence imagery using spatial and transform domain features 2012

Muhammad Tahir Asifullah Khan Abdul Majid

Bioinformatics, Volume 28, Issue 1, Pages 91-97

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DOI: https://doi.org/10.1093/bioinformatics/btr624

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Brain MRI Classification Using Gradient Boosting 2020

Muhammad Tahir

Machine Learning in Clinical Neuroimaging and Radiogenomics in Neuro-oncology, res.country(173,)

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Editorial Activities

International Journal of Electronic Security and Digital Forensics   2024
Reviewed Papers for Journals
Impact Factor: 0.4

Journal of Innovative Digital Transformations   2024
Reviewed Papers for Journals
Impact Factor: N/A

Network: Computation in Neural Systems   2024
Reviewed Papers for Journals
Impact Factor: 1.1

Journal of Innovative Digital Transformations   2024
Reviewed Papers for Journals
Impact Factor: 0

International Journal of Imaging Systems and Technology   2024
Reviewed Papers for Journals
Impact Factor: 3.0

International Journal of Imaging Systems and Technology   2024
Reviewed Papers for Journals
Impact Factor: 3.3

Biochemistry and Cell Biology   2024
Reviewed Papers for Journals
Impact Factor: 2.9

Current Bioinformatics   2023
Reviewed Papers for Journals
Impact Factor: 4.0