

# Adil Masood Siddiqui

Defence Faculty

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## About

Dr. Adil Masood Siddiqui is working as Defence Faculty in the Military College of Signals. Dr. Adil Masood Siddiqui has a PhD in Digital Image Processing. Dr. Adil Masood Siddiqui has published 58 research articles & conference papers having a citation count of 807, carried out 2 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Digital Image Processing</b> UET Lahore , Pakistan	2005 - 2009
<b>MS in Digital Image Processing</b> UET Lahore , Pakistan	2003 - 2005
<b>BE in Telecommunication Engineering</b> UET Lahore , Pakistan	1991 - 1994

## Experience

<b>Defence Faculty</b> Military College of Signals	2009- Present
<b>Training Officer</b> Defense Organization , HQ 30 Corps Gujranwala	2001 - 2003
<b>Communication Officer</b> NLC Communication Project , Pakistan Army	1999 - 2001
<b>Communication Officer</b> Defense Organization , Pakistan Army	1997 - 1999
<b>Communication Officer</b> Defense Communication , Pakistan Army	1995 - 1997

## Professional Memberships

PEC

## Research Projects

<b>National Projects</b>	
<b>Solar Powered GSM Based Automatic Irrigation System.</b> Funding Agency: IGNITE Amount: PKR 65,000.00 Status: Completed	2018
<b>Smart Navigation Cane For Visually Impaired People.</b> Funding Agency: IGNITE Amount: PKR 76,000.00 Status: Completed	2018

## International Projects

## Research Articles

<p><b>Enhancing visual question answering with common sense knowledge: a data-driven neurosymbolic graph routing approach</b></p> <p><i>Muhammad Junaid Khan Adil Masood Siddiqui Hamid Saeed Khan Muhammad Jaleed Khan</i>  <i>International Journal of Data Science and Analytics</i>, Pages 1-16</p> <p><b>Impact Factor:</b> 2.800   <b>Quartile:</b> 2</p> <p><b>DOI:</b> <a href="https://doi.org/10.1007/s41060-025-00827-7">https://doi.org/10.1007/s41060-025-00827-7</a></p>	2025
<p><b>MuReISGG: Multimodal Relationship Prediction for Neurosymbolic Scene Graph Generation</b></p> <p><i>Muhammad Junaid Khan Adil Masood Siddiqui Hamid Saeed Khan Faisal Akram Muhammad Jaleed Khan</i>  <i>IEEE Access</i>, Volume:13, Pages 47042-47054</p> <p><b>Impact Factor:</b> 3.400   <b>Quartile:</b> 2</p> <p><b>DOI:</b> 10.1109/ACCESS.2025.3551267</p>	2025
<p><b>Asymmetric multi-band reflective metasurface for linear and circular polarizations conversion in Ku, K, Ka, and U bands</b></p> <p><i>Jamal Zafar Humayun Zubair Khan Abdul Jabbar Jalil ur Rehman Kazim Masood Ur Rehman Adil Masood Siddiqui Qammer H. Abbasi Muhammad Ali Imran</i>  <i>Scientific Reports</i>, Volume:15, Issue:1, Article Number: 4977</p> <p><b>Impact Factor:</b> 3.800   <b>Quartile:</b> 1</p> <p><b>DOI:</b> 10.1038/s41598-024-81388-w</p>	2025
<p><b>Multi-band Reflective Metasurface for Efficient Linear and Circular Polarization Conversion</b></p> <p><i>Adil Masood Siddiqui Jamal Zafar Humayun Zubair Khan Abdul Jabbar Jalil ur Rehman Kazim Masood Ur Rehman Qammer H. Abbasi Muhammad Ali Imran</i>  <i>Optical and Quantum Electronics</i>, Volume 57, Article Number 149</p> <p><b>Impact Factor:</b> 3.300   <b>Quartile:</b> 2</p> <p><b>DOI:</b> 10.1007/s11082-025-08037-y</p>	2025
<p><b>Dynamic Resource Optimization for Quality of Service-Driven Cost Minimization in Cognitive Radio Networks</b></p> <p><i>Umar Ghafoor Adil Masood Siddiqui</i>  <i>Wireless Personal Communications</i>, Volume 139, Pages 2161-2201</p> <p><b>Impact Factor:</b> 1.900   <b>Quartile:</b> 3   <b>Citations:</b> 1</p> <p><b>DOI:</b> 10.1007/s11277-024-11711-1</p>	2024
<p><b>5G cognitive radio: Optimizing resources with cluster-assisted downlink hybrid multiple access</b></p> <p><i>Umar Ghafoor Adil Masood Siddiqui</i>  <i>Physical Communication</i>, Volume 66, Article Number 102435</p> <p><b>Impact Factor:</b> 2.000   <b>Quartile:</b> 2   <b>Citations:</b> 2</p> <p><b>DOI:</b> 10.1016/j.phycom.2024.102435</p>	2024
<p><b>A novel, mutual coupling independent, ultra-thin, and polarization-insensitive tetra band metamaterial absorber for microwave applications</b></p> <p><i>Saad Mahfooz Abdul Wakeel Muhammad Sibghat Ullah Mehmood Alam Adil Masood Siddiqui Adnan Iftikhar</i>  <i>Waves in Random and Complex Media</i>, Pages 1-17</p> <p><b>Impact Factor:</b> N/A</p> <p><b>DOI:</b> <a href="https://doi.org/10.1080/17455030.2024.2370021">https://doi.org/10.1080/17455030.2024.2370021</a></p>	2024
<p><b>A 4-Port Broadband High-Isolated MIMO Antenna for Wireless Communication</b></p> <p><i>Ayyaz Ali Maryam Rasool Muhammad Zeeshan Zahid Imran Rashid Adil Masood Siddiqui Moazzam Maqsood Farooq Ahmed Bhatti</i>  <i>Progress in Electromagnetic Research C</i>, Volume 142, Pages 119-130</p> <p><b>Impact Factor:</b> N/A   <b>Citations:</b> 4</p> <p><b>DOI:</b> <a href="http://dx.doi.org/10.2528/PIERC24012905">http://dx.doi.org/10.2528/PIERC24012905</a></p>	2024
<p><b>Moving towards agile cybersecurity incident response: a case study exploring the enabling role of big data analytics-embedded dynamic capabilities</b></p> <p><i>Ayesha Naseer Humza Naseer Atif Ahmed Sean B Maynard Adil Masood Siddiqui</i>  <i>Computers and Security</i>, Volume 135, Article Number 103525</p> <p><b>Impact Factor:</b> 5.6   <b>Quartile:</b> 2   <b>Citations:</b> 12</p> <p><b>DOI:</b> <a href="https://doi.org/10.1016/j.cose.2023.103525">https://doi.org/10.1016/j.cose.2023.103525</a></p>	2023
<p><b>A compact bent microstrip-based wideband millimeter wave MIMO antenna for 5G applications</b></p> <p><i>Ayyaz Ali Maryam Rasool Zeeshan Zahid Imran Rashid Adil Masood Siddiqui Moazam Maqsood Farooq Ahmed Bhatti</i>  <i>International Journal of Microwave and Wireless Technologies</i>, Pages 1-16</p> <p><b>Impact Factor:</b> 1.4   <b>Quartile:</b> 4   <b>Citations:</b> 3</p> <p><b>DOI:</b> <a href="https://doi.org/10.1017/S175907872300106X">https://doi.org/10.1017/S175907872300106X</a></p>	2023

<p><b>Cluster based resource management using H-NOMA in heterogeneous networks beyond 5G</b></p> <p><i>Umar Ghafoor Humayun Zubair Khan Adil Masood Siddiqui Mudassar Ali Abdul Rauf Arif Wahla Muhammad Naeem</i></p> <p><i>Ad Hoc Networks</i> , Volume 149, Article Number 103252</p> <p><b>Impact Factor:</b> 4.8   <b>Quartile:</b> 2   <b>Citations:</b> 8</p> <p><b>DOI:</b> <a href="https://doi.org/10.1016/j.adhoc.2023.103252">https://doi.org/10.1016/j.adhoc.2023.103252</a></p>	2023
<p><b>An Improved Multiexposure Image Fusion Technique</b></p> <p><i>Nazish Zulfiqar Adil Masood Siddiqui Awais Ahmad Mian Muhammad Waseem Iqbal Muhammad Imran Imran Touqeer Wajiha Munir</i></p> <p><i>Big Data</i> , Pages 1-10</p> <p><b>Impact Factor:</b> 4.426   <b>Quartile:</b> 1   <b>Citations:</b> 1</p> <p><b>DOI:</b> DOI: 10.1089/big.2021.0223</p>	2023
<p><b>A highly efficient deca-band metasurface absorber for diverse microwave applications</b></p> <p><i>Adnan Yousaf Abdul Wakeel Muhammad Zeeshan Zahid Mudassir Murtaza Adil Masood Siddiqui Muhammad Imran</i></p> <p><i>Waves in Random and Complex Media</i>, Pages 1-14</p> <p><b>Impact Factor:</b> 4.051   <b>Quartile:</b> 2</p> <p><b>DOI:</b> <a href="https://doi.org/10.1080/17455030.2022.2152909">https://doi.org/10.1080/17455030.2022.2152909</a></p>	2022
<p><b>Energy Efficient Resource Allocation for H-NOMA Assisted B5G HetNets</b></p> <p><i>Umar Ghafoor Humayun Zubair Khan Mudassar Ali Adil Masood Siddiqui Muhammad Naeem Imran Rashid</i></p> <p><i>IEEE Access</i> , Volume 10, Pages 91699 - 91711</p> <p><b>Impact Factor:</b> 3.476   <b>Quartile:</b> 2   <b>Citations:</b> 13</p> <p><b>DOI:</b> 10.1109/ACCESS.2022.3201527</p>	2022
<p><b>Efficient resource allocation for hybrid nonorthogonal multiple access based heterogeneous networks beyond fifth-generation</b></p> <p><i>Umar Ghafoor Mudassar Ali Humayun Zubair Khan Adil Masood Siddiqui Muhammad Naeem</i></p> <p><i>Transaction on Emerging Telecommunications Technologies</i>, Pages 1-23</p> <p><b>Impact Factor:</b> 3.310   <b>Quartile:</b> 2   <b>Citations:</b> 5</p> <p><b>DOI:</b> <a href="https://doi.org/10.1002/ett.4630">doi.org/10.1002/ett.4630</a></p>	2022
<p><b>NOMA and future 5G &amp; B5G wireless networks: A paradigm</b></p> <p><i>Umar Ghafoor Mudassar Ali Humayun Zubair Khan Adil Masood Siddiqui Muhammad Naeem</i></p> <p><i>Journal of Network and Computer Applications</i> , Volume 204, Article Number 103413</p> <p><b>Impact Factor:</b> 8.7   <b>Quartile:</b> 1   <b>Citations:</b> 77</p> <p><b>DOI:</b> <a href="https://doi.org/10.1016/j.jnca.2022.103413">https://doi.org/10.1016/j.jnca.2022.103413</a></p>	2022
<p><b>Face Recognition System Based on Four state Hidden Markov Model</b></p> <p><i>Danish Ali Imran Touqir Adil Masood Siddiqui Jabeen Malik Muhammad Imran</i></p> <p><i>IEEE Access</i> , Volume 10, Pages 74436-74448</p> <p><b>Impact Factor:</b> 3.476   <b>Quartile:</b> 2   <b>Citations:</b> 8</p> <p><b>DOI:</b> 10.1109/ACCESS.2022.3188717</p>	2022
<p><b>Real-time analytics, incident response process agility and enterprise cybersecurity performance: A contingent resource-based analysis</b></p> <p><i>Ayesha Naseer Adil Masood Siddiqui Humza Naseer Atif Ahmad Sean B. Maynard</i></p> <p><i>International Journal of Information Management</i>, Volume 59, Pages 56-59</p> <p><b>Impact Factor:</b> 14.098   <b>Quartile:</b> 1   <b>Citations:</b> 60</p> <p><b>DOI:</b> <a href="https://doi.org/10.1016/j.ijinfomgt.2021.102334">https://doi.org/10.1016/j.ijinfomgt.2021.102334</a></p>	2021
<p><b>Resource allocation for energy efficiency optimization in uplink–downlink decoupled 5G heterogeneous networks</b></p> <p><i>Humayun Zubair Khan Mudassar Ali Imran Rashid Abdul Ghafoor Muhammad Naeem Adnan Ahmed Khan Adil Masood Siddiqui</i></p> <p><i>International Journal of Communication System</i>, Pages 1-23, Article Number e4925</p> <p><b>Impact Factor:</b> 1.882   <b>Quartile:</b> 3   <b>Citations:</b> 16</p> <p><b>DOI:</b> <a href="https://doi.org/10.1002/dac.4925">https://doi.org/10.1002/dac.4925</a></p>	2021
<p><b>Efficient Dark Channel Prior Based Blind Image De-blurring</b></p> <p><i>Adil Masood Siddiqui Jawad Ahmed Imran Touqir</i></p> <p><i>Radioengineering</i> , Volume 30, Issue 2</p> <p><b>Impact Factor:</b> 1.105   <b>Quartile:</b> 4</p> <p><b>DOI:</b> 10.13164/re</p>	2021
<p><b>A multi-slotted 2-element quadband MIMO antenna for 4G and 5G applications</b></p> <p><i>Maryam Rasool Farooq Ahmed Bhatti Imran Rashid Abdul Rauf Adil Masood Bilal Ijaz</i></p>	2021

<i>Journal of Electromagnetic Waves and Applications</i> , Pages 1-16	
<b>Impact Factor:</b> 1.438   <b>Quartile:</b> 4   <b>Citations:</b> 10	
<b>DOI:</b> <a href="https://doi.org/10.1080/09205071.2021.1934565">https://doi.org/10.1080/09205071.2021.1934565</a>	
<b>Background subtraction in videos using LRMF and CWM algorithm</b>	2021
<i>Wajhia Munir Adil Masood Siddiqui Muhammad Imran Imran Tauqeer Nazish Zulfiqar Mian Muhammad Waseem Iqbal Awais Ahmad</i>	
<i>Journal of Real-Time Image Processing</i> , Pages 1-12	
<b>Impact Factor:</b> 2.293   <b>Quartile:</b> 3   <b>Citations:</b> 6	
<b>DOI:</b> <a href="https://doi.org/10.1007/s11554-021-01120-z">https://doi.org/10.1007/s11554-021-01120-z</a>	
<b>An automated and efficient convolutional architecture for disguise-invariant face recognition using noise-based data augmentation and deep transfer learning</b>	2021
<i>Muhammad Junaid Khan Muhammad Jaleed Khan Adil Masood Siddiqui Khurram Khurshid</i>	
<i>Visual Computer</i> , Pages 1-15	
<b>Impact Factor:</b> 2.835   <b>Quartile:</b> 2   <b>Citations:</b> 26	
<b>DOI:</b> <a href="https://doi.org/10.1007/s00371-020-02031-z">10.1007/s00371-020-02031-z</a>	
<b>Coherence Optimized Channel Estimation for Mm-Wave Massive MIMO</b>	2020
<i>Faisal Akram Dr Imran Rashid Dr Abdul Ghafoor Dr Adil Masood Siddiqui</i>	
<i>Radioengineering</i> , Volume:29, Issue:4, Page:625-635	
<b>Impact Factor:</b> 0.951   <b>Quartile:</b> 4   <b>Citations:</b> 1	
<b>DOI:</b> <a href="https://doi.org/10.13164/re.2020.0625">10.13164/re.2020.0625</a>	
<b>Joint admission control, cell association, power allocation and throughput maximization in decoupled 5G heterogeneous networks</b>	2020
<i>Humayun Zubair Khan Mudassar Ali Muhammad Naeem Imran Rashid Adil Masood Siddiqui Muhammad Imran Shahid Muntaz</i>	
<i>Telecommunication Systems</i> , Pages 1-14	
<b>Impact Factor:</b> 2.314   <b>Quartile:</b> 3   <b>Citations:</b> 16	
<b>DOI:</b> <a href="https://doi.org/10.1007/s11235-020-00707-4">https://doi.org/10.1007/s11235-020-00707-4</a>	
<b>A robust and efficient convolutional deep learning framework for age-invariant face recognition</b>	2020
<i>Adil Masood Siddique Adeel Yousaf Muhammad Junaid Khan Muhammad Jaleed Khan Khurram Khurshid</i>	
<i>Expert Systems</i> , Volume 37, Issue 3, Article Number e12503	
<b>Impact Factor:</b> 2.587   <b>Quartile:</b> 2   <b>Citations:</b> 17	
<b>DOI:</b> <a href="https://doi.org/10.1111/exsy.12503">https://doi.org/10.1111/exsy.12503</a>	
<b>Fast Convergence Algorithms for Coherence Optimization of Rank-1 Grassmannian Codebooks</b>	2019
<i>Faisal Akram Imran Rashid Abdul Ghafoor adil masood siddique</i>	
<i>Radioengineering</i> , Volume 29, Issue 2, Pages 456-463	
<b>Impact Factor:</b> 1.076   <b>Quartile:</b> 4   <b>Citations:</b> 1	
<b>DOI:</b> <a href="https://doi.org/10.13164/re.2019.0456">10.13164/re.2019.0456</a>	
<b>Wavelet denoising of multiframe optical coherence tomography data using similarity measures</b>	2017
<i>Wajihah Habib Tabinda Sarwer Imran Tauqir Adil Masood Siddiqui</i>	
<i>IET Image Processing</i> , Volume 11, Issue 1, Pages 64-79	
<b>Impact Factor:</b> 1.401   <b>Quartile:</b> 3   <b>Citations:</b> 25	
<b>DOI:</b> <a href="https://doi.org/10.1049/iet-ipr.2016.0160">10.1049/iet-ipr.2016.0160</a>	
<b>Image De-noising and Compression Using Statistical based Thresholding in 2-D Discrete Wavelet Transform</b>	2016
<i>Qazi Mazhar ul haq Imran Taoqir Adil Masood Siddique</i>	
<i>International Journal of Advanced Computer Science and Applications</i> , Volume 7, No. 11, Pages 311-316	
<b>Impact Factor:</b> 0	
<b>DOI:</b> <a href="https://doi.org/10.14569/IJACSA.2016.071140">10.14569/IJACSA.2016.071140</a>	
<b>Dual-tree complex wavelet transform and SVD based medical image resolution enhancement</b>	2014
<i>Muhammad Zafar Iqbal Abdul Ghafoor Muhammad Mohsin Riaz Umar Khalid Muhammad Zafar Iqbal Adil Masood Siddiqui Muhammad Mohsin Riaz Umar Khalid</i>	
<i>Signal Processing</i> , Volume 105, Pages 430-437	
<b>Impact Factor:</b> 3.470   <b>Quartile:</b> 1   <b>Citations:</b> 47	
<b>DOI:</b> <a href="https://doi.org/10.1016/j.sigpro.2014.05.011">https://doi.org/10.1016/j.sigpro.2014.05.011</a>	
<b>Sparse Representation of Image and Video Using Easy Path Wavelet Transform</b>	2014
<i>Syed Akbar Raza Naqvi Imran Tauqir Adil Masood Siddiqui</i>	
<i>Journal of Signal Processing</i> , NULL	

<b>Impact Factor: 2.209   Quartile: 1   Citations: 8</b> <b>DOI: 10.1016/j.sigpro.2014.01.024</b>	
<b>Chaotic substitution for highly autocorrelated data in encryption algorithm</b> <i>Amir Anis Fawad Ahmed Amir Anis Adil Masood Siddiqui Fawad Ahmed</i> <i>Communications in Nonlinear Science and Numerical Simulation</i> , Volume 19, Issue 9, Pages 3106-3118 <b>Impact Factor: 2.866   Quartile: 1   Citations: 134</b> <b>DOI: <a href="https://doi.org/10.1016/j.cnsns.2014.02.011">https://doi.org/10.1016/j.cnsns.2014.02.011</a></b>	2014
<b>A Technique for Digital Steganography using Chaotic Maps</b> <i>Amir Anis Jameel Ahmad Iqtadar Hussain Amir Anis Adil Masood Siddiqui Jameel Ahmad Iqtadar Hussain</i> <i>Nonlinear Dynamics</i> , Volume 75, Issue 4, Pages 807-816 <b>Impact Factor: 2.849   Quartile: 1   Citations: 93</b> <b>DOI: <a href="https://doi.org/10.1007/s11071-013-1105-3">https://doi.org/10.1007/s11071-013-1105-3</a></b>	2014
<b>Contrast Enhancement in Poor Visibility</b> <i>Danish Ali Chowdhry Imran Touqir Adil Masood Siddiqui</i> <i>Radioengineering</i> , NULL <b>Impact Factor: 0.796   Quartile: 3</b> <b>DOI: <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=F6YmueiU7w6m84UjnJ9&amp;page=1&amp;doc=1">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=7&amp;SID=F6YmueiU7w6m84UjnJ9&amp;page=1&amp;doc=1</a></b>	2013
<b>Satellite image resolution enhancement using dual-tree complex wavelet transform and nonlocal means</b> <i>Abdul Ghafoor Muhammad Zafar Iqbal Adil Masood Siddiqui</i> <i>IEEE Geoscience and Remote Sensing Letters</i> , Volume 10, No. 3, Pages 451-455 <b>Impact Factor: 1.809   Quartile: 2   Citations: 92</b> <b>DOI: 10.1109/LGRS.2012.2208616</b>	2013
<b>Image segmentation using multilevel graph cuts and graph development using fuzzy rule-based system</b> <i>Abdul Ghafoor Adil Masood Siddiqui Muhammad Rizwan Khokhar</i> <i>IET Image Process</i> , Volume 7, Issue 3, Pages 201-211 <b>Impact Factor: 0.676   Quartile: 3   Citations: 46</b> <b>DOI: 10.1049/iet-ipr.2012.0082</b>	2013
<b>Graph Cuts based Image Segmentation using Fuzzy Rule Based System</b> <i>Muhammad Rizwan Khokhar Adil Masood Siddiqui Abdul Ghafoor</i> <i>Radioengineering</i> , Volume 21, Issue 4, Pages 1236-1245 <b>Impact Factor: 0.687   Quartile: 3   Citations: 46</b> <b>DOI: <a href="https://doi.org/10.1049/iet-ipr.2012.0082">https://doi.org/10.1049/iet-ipr.2012.0082</a></b>	2012
<b>Automatic Classification of Initial Categories of Alzheimer?s Disease from Structural MRI Phase Images: A Comparison of PSVM, KNN and ANN Methods</b> <i>Ahsan Bin Tufail Ali Abidi Muhammad Shahzad Younis adil masood</i> <i>International Journal of Biomedical and Biological Engineering</i> , Volume 6, Issue 12 <b>Impact Factor: 0</b> <b>DOI: 10.5281/zenodo.1084608</b>	2012
<b>Automatic registration of geometric distortions in satellite images based on control points</b> <i>A. M Siddiqui M Saleem</i> <i>Mehran University Research Journal of Engineering and Technology</i> , Volume 28, Issue 2, Pages 129-146 <b>Impact Factor: 0   Citations: 4</b> <b>DOI: 10.1109/SPACOMM.2009.19</b>	2009
<b>A locally constrained radial basis function for registration and warping of images</b> <i>Muhammad Saleem Adil Masood Siddiqui Asif Masood Muhammad Saleem</i> <i>Pattern Recognition Letters</i> , Volume 30, Issue 4, Pages 377-390 <b>Impact Factor: 1.303   Quartile: 3   Citations: 25</b> <b>DOI: 10.1016/j.patrec.2008.11.004</b>	2009

## Conference Proceedings

<b>Ultra-wideband and High Efficiency Multi-polarization 1-bit Reflectarray Element for C, X and Ku Bands</b> <i>Jamal Zafar Adil Masood Siddiqui Humayun Zubair Khan Jalil ur Rehman Kazim Zaid Akram Qammer H. Abbasi Muhammad Ali Imran</i> <i>2025 2nd International Conference on Microwave, Antennas and Circuits, ICMAC 2025</i> , res.country(177,)	2025
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<b>Enhancing 6G Network Security Through Cognitive Radio and Cluster-Assisted Downlink Hybrid Multiple Access</b> <i>Umar Ghafoor Adil Masood Siddiqui</i> 2024 <i>International Conference on Frontiers of Information Technology (FIT)</i> , res.country(177,)	2024
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/FIT63703.2024.10838428	
<b>A Novel Approach for Quality of Service Based Cost Minimization in a Cognitive Radio Network</b> <i>Umar Ghafoor Adil Masood Siddiqui Mudassar Ali</i> 2024 <i>4th International Conference on Digital Futures and Transformative Technologies (ICoDT2)</i> , res.country(177,)	2024
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICoDT262145.2024.10740207	
<b>Novel 6G Network: Maximizing Sum Rate and User Association by Minimizing Cost Ensuring QoS</b> <i>Umar Ghafoor Adil Masood Siddiqui</i> 2024 <i>21st International Bhurban Conference on Applied Sciences and Technology (IBCAST)</i> , res.country(177,)	2024
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/IBCAST61650.2024.10877248	
<b>Holistic Optimization of Rate and EE in UAV-Assisted HetNets</b> <i>Umar Ghafoor Mudassar Ali Adil Masood Siddiqui Waleed Ejaz</i> IEEE INFOCOM 2024 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), res.country(177,)	2024
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/INFOCOMWKSHPS61880.2024.10620714	
<b>Secrecy Rate Maximization based on User Clustering in Hybrid-NOMA Assisted HetNets for B5G/6G</b> <i>Umar Ghafoor Adil Masood Siddiqui Humayun Zubair Khan Mudassar Ali</i> <i>Proceedings - IEEE Global Communications Conference, GLOBECOM</i> , res.country(157,)	2023
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/GLOBECOM54140.2023.10436806	
<b>Admission, Association, and Rate Maximization in a UAV Assisted User Clustering Based Downlink Hybrid Multiple Access HetNets</b> <i>Umar Ghafoor Mudassar Ali Adil Masood Siddiqui</i> 20th IBCAST--2023 <i>International Bhurban Conference on Applied Sciences &amp; Technology</i> , res.country(177,)	2023
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/IBCAST59916.2023.10712800	
<b>Sum Rate Maximization Based on Mobile User Clustering Assisted Downlink H-NOMA in 4-Tier B5G HetNet</b> <i>Umar Ghafoor Adil Masood Siddiqui Humayun Zubair Khan Mudassar Ali</i> 2023 <i>International Conference on Communication Technologies (ComTech)</i> , res.country(177,)	2023
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