**Department: Telecommunication Engineering**

**List of Journal Publications:**

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| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Author Names** | **Title of Publication** | **Journal Name** | **Volume, Issue** | **Date of Publication** | **HJRS Category** |
| 1 | Sania Tariq, Noaman Naseer, Adnan Iftikhar, Muhammad Farhan Shafique, Jamal Nasir, **Muhammad Hashim Dahri**, Adnan Fida, Birsen Saka | Direct printable X-band low profile broadband Reflectarray antenna using copper foils | AEU-International Journal of Electronics and Communications | 171 | 01-11-2023 | W |
| 2 | Adel Y Ashyap, M Inam, MR Kamarudin, **M. Hashim Dahri**, ZA Shamsan, K Almuhanna, F Alorifi | Multi-Band Metamaterial Antenna for Terahertz Applications | Computers Materials & Continua | 74, 1 | 01-01-2023 | W |
| 3 | **Tayyaba Khurshid,** Waqas Ahmed Rizwan Ahmad ,Muhammad Rehan ,(Member, IEEE), ,Muhammad Mahtab alam ,(Senior Member, IEEE), And Aymanradwan ,(Senior Member, IEEE) | A DRL Strategy for Optimal Resource Allocation Along With 3D Trajectory Dynamics in UAV-MEC Network | IEEE Access | 11 | 22 -05-2023  | W |
| 4 | **Ayesha Amir Siddiqi** | Bottom of Form[Filter selection for removing noise from CT scan images using digital image processing algorithm](https://www.worldscientific.com/doi/abs/10.4015/S1016237223500382) | Biomedical Engineering: Applications, Basis and Communications | 36,01 | 22 -02- 2024 | Y |
| 5 | **Khan, F.,** Umrani, F., Baqai, A., & Ijaz, M. | A novel double-sided pulse interval modulation (DS-PIM) aided SIM-OFDM for 6G light fidelity (LiFi) networks. | Electronics | 11,21 | 01-11-2022 | Y |
| 6 | **Khan, F.,** Umrani, F., & Baqai, A. | An Enhanced Double Sided Pulse Interval Modulation (EDS-PIM) based SIM-OFDM for Light Fidelity (LiFi) Networks | IEEE Communications Letters | 27,10 | 21-08-2023 | W |
| 7 | Ambreen Azmat, Shafaq Asrar, Iftikhar Ahmed Channa, Jaweria Ashfaq, **Irfan Ali Chandio**, Ali Dad Chandio, Muhammad Ali Shar, Mohamad S AlSalhi, Sandhanasamy Devanesan | [Comparative study of biocompatible titanium alloys containing non-toxic elements for orthopedic implants](https://www.mdpi.com/2073-4352/13/3/467) | Crystals | 13,3 | 09-03-2023 | W |
| 8 | Hussain, Ghulam, Bander Ali Saleh Al-rimy, Saddam Hussain, Abdullah M. Albarrak, Sultan Noman Qasem, and **Zeeshan Ali.** | Smart Piezoelectric-Based Wearable System for Calorie Intake Estimation Using Machine Learning | International Journal of Applied Sciences | 12,12 | 16-06-2022 | W |
| 9 | Talha Tariq, Nadia Mustaqim Ansari, Adnan Waqar, **Rizwan Iqbal**, Sohail Rana, Mohammad Ismaeel, and Syed Waqar Alam | DocDispenser: Automated Health Care Unit Using NI-MyRIO | Journal of Xi’an Shiyou University, Natural Science | 18,8 | August 22 | X |
| 10 | **Rizwan Iqbal**, Nadia Mustaqim Ansari, Huzair Khan, Izaan Ali, Adnan Waqar, Sohail Rana, Arsalan Ullah Khan, Muhammad Noman, and Maqsood Ur Rehman Awan | Smart Metering Using Power line Communication. | Journal of Xi’an Shiyou University, Natural Science | 18,8 | August 2022 | X |
| 11 | Nadia Mustaqim Ansari, **Rizwan Iqbal**, Adnan Waqar, Sohail Rana, Muhammad Ismail, Talha Tariq, Syed Waqar Alam, Maqsood Ur Rehman, Mustafa Mohiuddin, and Rohail Shaikh | A Review: Importance, Implementation, and Enhancement of AES | Journal of Xi’an Shiyou University, Natural Science | 18,8 | August 2022 | X |
| 12 | **Tayyaba Khurshid**, Nadia Mustaqim Ansari, **Rizwan Iqbal**, Muhammad Moin, Adnan Waqar, Sohail Rana, Talha Tariq, Muhammad Ismail, Syed Waqar Alam, and Maqsood ur Rehman Awan | Downlink Uplink Decoupling in Advance LTE HetNets | Journal of Xi’an Shiyou University, Natural Science | 18,9 | September 2022 | X |
| 13 | Kashan Iqbal, Nadia Mustaqim Ansari**, Rizwan Iqbal**, Sohail Rana, Muhammad Ismail, Adnan Waqar, Imran Khan, Mustafa Mohiuddin, Talha Tariq, and Syed Waqar Alam | Experimental Demonstration of Underwater Optical Wireless Communication |  Journal of Xi’an Shiyou University, Natural Science | 18,9 | September 2022 | X |
| 14 | Talha Tariq, Nadia Mustaqim Ansari, Sohail Rana, Maqsood Ur Rehman, **Rizwan Iqbal,** Adnan Waqar, and **Tayyaba Khurshid** | A Smart Wireless Real Power with Health Monitoring of Three-Phase Generators | Journal of Tianjin University Science and Technology | 55,9 | September 2022 | X |
| 15 | **Rizwan Iqbal**, Rashid Hussain, and Sheeraz Arif | Investigating the Attacks on Software Defined Networks: Summary & Recommendations | Journal of Xi’an Shiyou University, Natural Science | 18,9 | September 2022 | X |
| 16 | Maqsood Ur Rehman Awan, Nadia Mustaqim Ansari**, Rizwan Iqbal**, Jawad Sadiq, Sohail Rana, Muhammad Emad Nasir, Adnan Waqar, Mustafa Mohiuddin, Muhammad Ismail, and Talha Tariq | Design and Implementation of IoT-Based Smart Precision Agriculture Farming |  Journal of Xi’an Shiyou University, Natural Science | 18,10 | September 2022 | X |
| 17 | Nadia Mustaqim Ansari, Talha Tariq, Muhammad Shahab Alam, **Rizwan Iqbal**, Rasia Azeem, Azhar Nasir, and Sohail Rana | Design and Performance Evaluation of Low-Cost IoT-Based Water Quality Monitoring Device Using WSN | Journal of Hunan University Natural Sciences | 59,11 | November 2022 | X |
| 18 | Imran Khan, Sohail Rana, Nadia Mustaqim Ansari, **Rizwan Iqbal**, Talha Tariq, Maqsood Ur Rehman Awan, and Adnan Waqar | Design and Implementation of CNN for Sign Language Recognition | Journal of Jilin University | 41,11 | November 2022 | X |
| 19 | **Rizwan Iqbal**, Nadia Mustaqim Ansari, Sohail Rana, Adnan Waqar, Huzair Khan, Arsalan ullah Khan, and Izaan Ali | Modeling and Analysis of Power Line Communication using PLC-KQ330. | Journal of Hunan University Natural Sciences | 59,11 | November 2022 | X |
| 20 | **Rizwan Iqbal**, Rashid Hussain, Sheeraz Arif, Adnan Ahmed Siddiqui, and Shamim Akhtar | Towards Secure Implementations of SDN Based Firewall. | Journal of Independent Studies and Research Computing | 20,2 | July-December 2022 | Y |
| 21 | Talha Tariq, Nadia Mustaqim Ansari, **Rizwan Iqbal**, Sohail Rana, Salman, Rashid Ali, and Syed Waqar Alam | Design and Implementation of Autonomous Rover Using Computer Vision Algorithm. | Journal of Jilin University | 42,1 | January 2023 | X |
| 22 | **Rizwan Iqbal**, Nadia Mustaqim Ansari, Sohail Rana, Muhammad Ismail, Adnan Waqar, and Syed Waqar Alam | Multi-Layer Perceptron-Based Emotional Speech Recognition | Journal of Hunan University Natural Sciences, | 60,1 | January 2023 | X |
| 23 | Sohail Rana, Nadia Mustaqim Ansari, Maqsood ur Rehman Awan, **Rizwan Iqbal**, Muhammad Ismail, Salman Ayub, and Majid Ahmed Shaikh | Design and Implementation of Laptop Battery Analysis Tool. | Journal of Jilin University | 42,2 | February 2023 | X |
| 24 | Sohail Rana, Nadia Mustaqim Ansari**, Rizwan Iqbal**, Talha Tariq, Imran Khan, Majid Ahmed Shaikh, and Rohail Shaikh, | Deployment of NGN Architecture for Network Services. | Journal of Hunan University Natural Sciences | 60,2 | February 2023 | X |
| 25 | Imran Khan, Sohail Rana, **Rizwan Iqbal**, Nadia Mustaqim Ansari, Muhammad Ismail, Maqsood ur Rehman Awan, and Majid Ahmed Shaikh | Smart Monitoring System of Underwater Aquaculture Environment. | Journal of Jilin University | 42,3 | March 2023 | X |
| 26 | **Rizwan Iqbal**, Rashid Hussain, Sheeraz Arif, Nadia Mustaqim Ansari, and Tayyab Ahmed Shaikh | Data Analysis of Network Parameters for Secure Implementations of SDN-Based Firewall, | Computers, Materials & Continua | 77,2 | November 2023 | W |