

Selected Publications (SCI indexed Only)

Title	Name of the Journal	Author	Year
Intrinsic signal processed non-linearity tolerant novel 2-Tier star constellation	Optical and Quantum Electronics, Springer	Zahid G Khaki, Gausia Qazi	2022
Analog And Digital Implementation Of Fractional-Order Fitzhugh–Nagumo (Fo-Fhn) Neuron Model	Emerging Methodologies And Applications In Modelling	Mohammad Rafiqdar, Nasir Alikant, Farooq Ahmad Khanday, Shakeel Ahmad Malik, Mubashir Ahmad Kharadia	2022
Hardware Implementation Of Improved Perturb And Observe Maximum Power Point Tracking Technique For Photovoltaic Systems With Zero Oscillations	Analog Integrated Circuits And Signal Processing	Sajad Ahmad Tali, Faroze Ahmad, Inayat Hussain Wani	2022
Optical Millimeter-Wave Generation Techniques: An Overview	Optik	Aasif Bashir Dar, Faroze Ahmad	2022
A Microwave-Thermography Hybrid Technique for Breast Cancer Detection.	IEEE Journal of Electromagnetics RF and Microwaves in Medicine and Biology	Dawood, Alexander, Khalid Muzaffar, Omar Ramahi.	2021
Multiple input multiple output (MIMO) and fifth generation (5G): an indispensable technology for sub-6 GHz and millimeter wave future generation mobile terminal applications	International Journal of Microwave and Wireless Technologies	Insha Ishteyaq, Khalid Muzaffar	2021
Wideband Asymmetric Coplanar Strip Fed Antennas With Pattern Diversity for mmWave 5G Base Stations.	IEEE Access	SM. Idrees Magray, Khalid Muzaffar, Ayaz Hassan Moonhakeel Ahmad Malik	2020
A compact double-band planar printed slot antenna for sub-6 GHz 5G wireless applications	International Journal of Microwave and Wireless Technologies	Insha Ishteyaq, Issmat Shah Masoodi, Khalid Muzaffar	2020
Eight-port double band printed mimo antenna investigated for mutual-coupling and sar effects for sub-6 ghz 5g mobile applications.	Progress In Electromagnetics Research C	Insha Ishteyaq, Issmat Shah Masoodi, Khalid Muzaffar	2021

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Title	Name of the Journal	Author	Year
Low Cost Substrate Based Compact Antennas for 4G/5G Side-Edge Panel Smartphone Applications	Progress In Electromagnetics Research Letters	Idrees Magray	2020
A Light Weight three factor Authentication Framework for Internet of things	Journal of King Saud University-Computer and Information Sciences	Ayaz Moon, Jasra Bhat, Manasha Saqib	2020
Extremely Close Integration of Dual Band Sub-6GHZ 4G Antenna with Unidirectional mmWave 5G Antenna	Progress in Electromagnetics Research Letters	Shakeel Ahmad Malik, Khalid Muzaffar, A. H. Moon	2021
Synchronisation of fractional order neurons in noise	IEEE Transactions on Computational Biology and Bioinformatics	Shakeel Ahmad Malik and others	2020
Filterless 16 Tuplet Optical Millimetre Wave Generation Using Cascaded Parallel Mach-Zehnder Modulators with extinction Ratio Tolerance	Progress in Electromagnetic Research Letters	Mr. Asif Dar and Faroze Ahmad	2020
Filterless Optical Millimetre Wave Generation Using Cascaded Parallel Mach-Zehnder Modulators with tunable Frequency Multiplication Factor	Optical and Quantum Electronics (Springer)	Mr. Asif Dar and Faroze Ahmad	2021
Synchronization of hindmarsh Rose Neurons	Neural Networks	Shakeel Ahmad Malik and others	2020
Systematic study of Maximum power point Tracking methods used in Photo Voltaic Based Systems	Springer	Sajad Teli and Dr. Faroze	2021
“Visibility Improvement in Hazy Conditions via a Deep Learning based Image Fusion Approach	5th International Conference on Advances in Computing and Data Sciences (ICACDS-2021)	Dr. Asifa Baba, Dr Md. Imtiyaz Anwar	2021
Filterless 16-tupling photonic Millimetre Wave Generation with Mach-Zehnder Modulators using remodulation	Applied Optics (Optical Society of America)	Mr. Asif Dar, Dr. Faroze Ahmad	2020