

Waqar Ahmad Malik

Assistant Professor
College of Aeronautical Engineering

Email: wmalik@cae.nust.edu.pk
Contact:
LinkedIn: <https://www.linkedin.com/in/waqar-ahmad-malik-59368717/>



About

Dr. Waqar Ahmad Malik is working as Assistant Professor in the College of Aeronautical Engineering. Dr. Waqar Ahmad Malik has a PhD in Electrical Engineering. Dr. Waqar Ahmad Malik has published 10 research articles & conference papers having a citation count of 88, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Electrical Engineering King Saud University , Saudi Arabia	2014 - 2018
MS in Electrical Engineering University of Hull , United Kingdom	2004 - 2006
BS in Electrical Engineering N.W.F.P University of Engineering & Technology Peshawar , Pakistan	2000 - 2004

Experience

Assistant Professor College of Aeronautical Engineering	2024- Present
Assistant Professor College of Aeronautical Engineering	2022 - 2022
Assistant Professor & HoD Abasyn University , Abasyn University Islamabad	2018 - 2022
Researcher King Saud University , King Saud University, Saudi Arabia	2011 - 2018
Assistant Professor NUCES-FAST , NUCES-FAST Peshawar	2008 - 2011
Lecturer U.E.T , U.E.T Mardan	2005 - 2006
Lecturer Peshawar College of Engineering , Peshawar College of Engineering	2005 - 2005

Research Projects

National Projects	
Computational Modeling of Porous Bones using body matched Antennas Funding Agency: NUST Amount: PKR 982,000.00 Status: Approved_inprocess	2023

International Projects

- Mathematical modeling development and synthesis of tapered transmission line resonators and filters** 2024
Mohaira Ahmad Waqar Ahmad Malik Sajjad Ur Rehman Majeed AS Alkanhal Wazie M Abdulkawi Ahmed Salim Abdel-Fattah A Sheta
PHYSICA SCRIPTA , Volume:100, Number:01, Article Number:015511
Impact Factor: 2.6 | **Quartile:** 2
DOI: 10.1088/1402-4896/ad96e6
- A Compact and High Gain X/Ku Band Shared Aperture Antenna Array with Enhanced Inter-band and Cross-band Isolation** 2024
Ahmad Ali Muhammad Nabeel Awan Waqar Ahmad Malik Sohaib Yaqoob Chaudhary Hidayat Ullah Jamal Haider
IEEE Access , Volume 12, Pages 146137-146146
Impact Factor: 3.400 | **Quartile:** 2 | **Citations:** 3
DOI: 10.1109/ACCESS.2024.3406547
- Enhancing gain and isolation of a quad-element MIMO antenna array design for 5G sub-6 GHz applications assisted with characteristic mode analysis** 2024
Rabia Khan Waleed Tariq Sethi Waqar Ahmad Malik Latif Jan Muhammad Mustafa Tahseen Ali M. Almuhlafi Mohamed Himdi
Scientific Reports , Volume 14, Article Number: 11111
Impact Factor: 3.800 | **Quartile:** 1 | **Citations:** 11
DOI: <https://doi.org/10.1038/s41598-024-61789-7>
- A Comprehensive Analysis of Low-Profile Dual Band Flexible Omnidirectional Wearable Antenna for WBAN Applications** 2024
Muhammad Afzaal Khan Waleed Tariq Sethi Waqar Ahmad Malik Abdul Jabbar Muhammad Ali Khalid Ali M. Almuhlafi Mohamed Himdi
IEEE Access , Volume 12, Pages 45187-45201
Impact Factor: 3.900 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1109/access.2024.3380908
- A simple and modular quasi stepped impedance resonator based reconfigurable bandpass filter for 5G applications** 2023
Muhammad Waqas Sajjad Ur Rehman Mohaira Ahmad Waqar Ahmad Malik Hamza Zad Gul Wazie M. Abdulkawi Majeed A. Alkanhal
Physica Scripta , Volume 99, Issue 1, Article Number 015517
Impact Factor: 2.9 | **Quartile:** 2 | **Citations:** 2
DOI: doi.org/10.1088/1402-4896/ad155f
- Realization of circular polarized multiple band multi-mode OAM antenna using a ring patch for IoT applications** 2023
Umar Fayyaz Shahab Ahmad Niazi Khaled Al Jaloud Abdul Aziz Waqar Ahmad Malik Rifaqat Hussain
Scientific Reports , Volume:13, Issue:1, Article Number: 17060
Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 1
DOI: 10.1038/s41598-023-43836-x
- A simple and modular MIMO antenna system for closely spaced patch antennas** 2022
Muhammad Nawaz Abbasi Abdul Aziz Waqar Ahmad Malik Abdul Rehman Chishti Rifaqat Hussain
Microwave and Optical Technology Letters , Volume 64, Issue 7, Pages 1210-1216
Impact Factor: 1.5 | **Quartile:** 4 | **Citations:** 5
DOI: <https://doi.org/10.1002/mop.33257>
- Design of a compact dual-band mimo antenna system with high-diversity gain performance in both frequency bands** 2021
Wazie Alkadri Waqar Ahmad Malik Sajjad ur Rehman Abdul Aziz Abdelfattah Ahmad Sheta Majeed A. Alkanhal
Micromachines , Volume 12, Issue 4, Article Number 383
Impact Factor: 3.523 | **Quartile:** 2 | **Citations:** 34
DOI: <https://doi.org/10.3390/mi12040383>
- Development of efficient high power amplifier with more than an octave bandwidth** 2018
Waqar Ahmad Malik Abdelfattah Ahmad Sheta Ibrahim Elshafiey
IEEE Access , Volume 6, Pages 6602-6609
Impact Factor: 4.098 | **Quartile:** 1 | **Citations:** 17
DOI: 10.1109/ACCESS.2017.2789216

Design and Development of non-invasive RF-Based Prototype for Bone Health Evaluation

2025

Zartasha Mustansar Hafiz M. Yasir Bhatti Khujasta Khalid Waqar Ahmad Malik Mohaira Ahmad Ayesha Inam Tarar
14th International Conference on Software and Computer Applications (ICSCA 2025), res.country(157,)

Citations: N/A

DOI: <https://doi.org/10.1145/3731806.3731853> A