

# Waqar Ahmad Malik

Assistant Professor  
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## 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

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

## Experience

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

## Research Projects

<b>National Projects</b>	
<b>Computational Modeling of Porous Bones using body matched Antennas</b> 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](https://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