

# Muhammad Ahmad

Defence Faculty  
College of Aeronautical Engineering

Email: muhammad.ahmad@cae.nust.edu.pk  
Contact:



## About

Dr. Muhammad Ahmad is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Muhammad Ahmad has published 9 research articles & conference papers having a citation count of 127, carried out 0 projects and filed 0 intellectual property.

## Qualifications

<b>MS in Aerospace Engineering</b> College of Aeronautical Engineering (CAE) , Pakistan	2019 - 2021
<b>BE in Aerospace Engineering</b> College of Aeronautical Engineering (CAE) , Pakistan	2009 - 2013

## Experience

<b>Defence Faculty</b> College of Aeronautical Engineering	2025- Present
<b>Defence Faculty</b> College of Aeronautical Engineering	2021 - 2021
<b>Lecturer</b> NUST , CAE, PAF Academy Asghar Khan, Risalpur	2021 - 2022
<b>Maintenance Engineer</b> Pakistan Air Force , PAF Base Samungli	2013 - 2017

- Airfoil Shape Impact Assessment for Improved Aerodynamics in Hybrid VAWT Applications** 2023  
*Muhammad Ahmad Muhammad Zubair Abid*  
*Journal of Power Generation Technology*, Volume 1(2), Pages 1-18  
**Impact Factor:** N/A  
**DOI:** 10.61369/JPGT.2371
- Enhancing vertical axis wind turbine efficiency through leading edge tubercles: A multifaceted analysis** 2023  
*Muhammad Ahmad Muhammad Hassam Zafar*  
*Ocean Engineering*, Ocean Engineering  
**Impact Factor:** 5.0 | **Quartile:** 1 | **Citations:** 21  
**DOI:** 10.1016/j.oceaneng.2023.116026
- Investigating Aerodynamic Performance of Vertical Axis Wind Turbines Using Computational Techniques** 2023  
*Muhammad Ahmad Iram Rehman*  
*Journal of Power Generation Technology*, Volume 1(1), 20-41  
**Impact Factor:** N/A  
**DOI:** 10.61369/JPGT.0568
- Experimental investigation and analysis of proposed hybrid vertical axis wind turbine design** 2023  
*Muhammad Ahmad Aamer Shahzad Syed Irteza Ali Shah*  
*Energy and Environment*, Pages 1-30  
**Impact Factor:** 4.2 | **Quartile:** 2 | **Citations:** 3  
**DOI:** 10.1177/0958305X231181675
- Design optimization of Double-Darrieus hybrid vertical axis wind turbine** 2022  
*Muhammad Ahmad Aamer Shahzad M Farooq Bin Akram Fareed Ahmad Syed Irteza Ali Shah*  
*Ocean Engineering*, Volume 254, Article Number 111171  
**Impact Factor:** 3.795 | **Quartile:** 1 | **Citations:** 53  
**DOI:** 10.1016/j.oceaneng.2022.111171
- Determination of efficient configurations of vertical axis wind turbine using design of experiments** 2022  
*Muhammad Ahmad Aamer Shahzad M Farooq Bin Akram Muhammad Nafees Mumtaz Qadri*  
*Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, Pages 1-24  
**Impact Factor:** 1.882 | **Quartile:** 3 | **Citations:** 8  
**DOI:** 10.1177/09576509221095347
- Estimation of Stability Parameters for Wide Body Aircraft Using Computational Techniques** 2021  
*Muhammad Ahmad Syed Irteza Ali Shah Zukhruf Liaqat Hussain Taimur Ali Shams*  
*Applied Sciences*, Volume 11(5), Article Number 2087  
**Impact Factor:** 2.838 | **Quartile:** 2 | **Citations:** 22  
**DOI:** doi.org/10.3390/app11052087
- Residual Life Estimation of an Attach Angle for a Cargo Aircraft** 2016  
*Abid Ali Khan Muhammad Ahmad Muhammad Arif Ashraf*  
*Journal of Failure Analysis and Prevention*, Volume 16, Issue 6, Pages 1126-1133  
**Impact Factor:** -  
**DOI:** doi:10.1007/s11668-016-0201-3