

Omer Khan

Defence Faculty

College of Aeronautical Engineering

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Contact:

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About

Dr. Omer Khan is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Omer Khan has a PhD in Aerospace. Dr. Omer Khan has published 11 research articles & conference papers having a citation count of 13, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Aerospace	2016 - 2021
Auburn University , United States	
MS in Aerospace	2010 - 2012
Air University , Pakistan	
BE in Aerospace	2001 - 2005
BSE, Karachi , Pakistan. (Duplicate)	

Experience

Defence Faculty	2025- Present
College of Aeronautical Engineering	
Defence Faculty	2021 - 2025
College of Aeronautical Engineering	
Wg Cdr	2005 - 2022
PAF , AHQs Islamabad	

Research Articles

Effects of wake interaction on energy extraction performance of tandem semi-active flapping foils	2023
Fuwang Zhao Zhaokun Wang Muhammad Nafees Mumtaz Qadri Omer Khan Adnan Munir Aamer Shahzad Hui Tang	
Physics of Fluids , Volume 35, Article Number 087112	
Impact Factor: 4.6 Quartile: 1 Citations: 13	
DOI: https://doi.org/10.1063/5.0155893	

- A Review of Aerodynamic Flow Control Utilizing Distributed Electric Propulsion** 2024
Mohsin Ali Omer Khan
2024 4th International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(271,)
Citations: N/A
DOI: 10.1109/ICoDT262145.2024.10740245
- An Experimental Study of Internal Flow Field of a Cyclone Vortex Combustion Chamber using Particle Image Velocimetry** 2021
Omer Khan Anwar Ahmad
AIAA Propulsion and Energy Forum, 2021, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2021-3572>
- Modification of Jet Exiting a Cyclone Chamber** 2020
Omer Khan Anwar Ahmed
AIAA Scitech 2020 Forum, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2020-0813>
- Comparative analysis of aerodynamic characteristics of a transport aircraft and its awacs variant** 2020
Zakria Toor Tauha Irfan Khan Bilal Mufti Omer Khan Jehanzeb Masud
AIAA Scitech 2020 Forum, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2020-2227>
- Numerical Investigation of Aerodynamic Loads on a Flexible Wing** 2019
U. Shehzad Jehanzeb Masud Omer Khan Zakria Toor Tauha Irfan Khan Bilal Mufti
2019 IEEE 10th International Conference on Mechanical and Aerospace Engineering, ICMAE 2019, res.country(20,)
Citations: N/A
DOI: 10.1109/ICMAE.2019.8881007
- Comparative analysis of store release trajectory using numerical and experimental techniques** 2019
Zakria Toor Tauha Irfan Khan Omer Khan Bilal Mufti Jehanzeb Masud
AIAA Scitech 2019 Forum, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2019-0846>
- An Investigation of a Swirling Jet Exiting a Cyclone Chamber** 2018
Omer Khan Albert Medina Anwar Ahmed
2018 Fluid Dynamics Conference, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2018-4260>
- Effects of modeled stator wake on a low pressure turbine blade dynamic performance** 2016
Usman Safdar Jehanzeb Masud Omer Khan Sijjal Ahmad
54th AIAA Aerospace Sciences Meeting, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2016-0117>
- Evaluating an Experimental Streamlined Fairing for a Diverterless Supersonic Inlet (DSI) Equipped Aircraft** 2016
Omer Khan Jehanzeb Masud
54th AIAA Aerospace Sciences Meeting, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2016-1566>
- Aerodynamic Study of Range Extension Modification for a Fighter Aircraft** 2015
Omer Khan Jehanzeb Masud
53rd AIAA Aerospace Sciences Meeting, res.country(233,)
Citations: N/A
DOI: <https://doi.org/10.2514/6.2015-0544>