

Tariq Amin Khan

Associate Professor
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About

Dr. Tariq Amin Khan is working as Associate Professor in the College of Aeronautical Engineering. Dr. Tariq Amin Khan has a PhD in Thermal Power Engineering. Dr. Tariq Amin Khan has published 16 research articles & conference papers having a citation count of 252, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Thermal Power Engineering Zhejiang University , China	2014 - 2018
MSc in Power Engg And Engg Thermo Physics Xi'an Jiaotong University , China	2012 - 2014
BSc in Mech Engg UET Peshawar , Pakistan	2007 - 2011

Experience

Associate Professor College of Aeronautical Engineering	2024- Present
Assistant Professor College of Aeronautical Engineering	2020 - 2020
Assistant Professor NFC Institute of engineering and technology , Multan	2018 - 2020

Professional Memberships

PEC	Since 2021
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Research Articles

Effect of Bypass Duct On the Thrust Vectoring Performance of Dual Throat Nozzle in a Supersonic Aircraft Saadia Afridi Tariq Amin Khan Imran Shah Yasir Ali Muhammad Nafees Mumtaz Qadri Wei Li Journal of Fluids Engineering , Volume 146(6), Pages 061206 Impact Factor: 2.0 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1115/1.4064608	2024
Flight Dynamic Characteristics of Wide-Body Aircraft with Wind Gust and Turbulence Kashif Mehmood Syed Irtiza Ali Shah Taimur Ali Shams Muhammad Nafees Mumtaz Qadri Tariq Amin Khan David Kukulka Fluids , Volume 8(12), Article Number 320 Impact Factor: 1.8 Quartile: 3 Citations: 2 DOI: https://doi.org/10.3390/fluids8120320	2023
A Multiphysics-Multiscale Model for Particle–Binder Interactions in Electrode of Lithium-Ion Batteries Yasir Ali Imran Shah Tariq Amin Khan Noman Iqbal Energies , Volume 16(15), Article Number 5823 Impact Factor: 3.2 Quartile: 3 Citations: 1 DOI: 10.3390/en16155823	2023
Numerical and Experimental Analysis of Shell and Tube Heat Exchanger with Round and Hexagonal Tubes	2023

- Abdullah Khan Imran Shah Waheed Gul Tariq Amin Khan Yasir Ali Syed Athar Masood
energies , Volume 16(2), Article Number 880
Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 8
DOI: 10.3390/en16020880
- Numerical Investigation on the Thrust Vectoring Performance of Bypass Dual Throat Nozzle** 2023
Saadia Afridi Tariq Amin Khan Syed Irtiza Ali Shah Taimur Ali Shams Kashif Mehmood Wei Li David Kukulka
Energies , Volume 16, Issue 2, Article Number 594
Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 8
DOI: <https://doi.org/10.3390/en16020594>
- Computational Fluid Dynamics and Experimental Analysis of a Wind Turbine Blade's Frontal Section with and without Arrays of Dimpled Structures** 2022
Shahid Aziz Abdullah Khan Imran Shah Tariq Amin Khan Yasir Ali Badar Rashid Dong Won Jung Muhammad Umer Sohail
Energies , Volume 15, Issue 19, Article Number 7108
Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 12
DOI: <https://doi.org/10.3390/en15197108>
- Multi-objective nozzle design optimization for maximum thrust vectoring performance** 2022
Saadia Afridi Tariq Amin Khan
Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, Pages 1-13
Impact Factor: 1.285 | **Quartile:** 4 | **Citations:** 11
DOI: 10.1177/09544100221106656
- Effects of Materials on the Heat Transfer Coefficient During Condensation and Evaporation of R410A** 2021
Wei Yu Tang Tariq Amin Khan Boren Zheng Lei Wang Wei Li S.A. Sherif
Journal of Solar Energy Engineering , Volume 143(3): 031007 (10 pages)
Impact Factor: 2.376 | **Quartile:** 3 | **Citations:** 2
DOI: 10.1115/1.4048545
- Qualitative assessment and global mapping of supercritical CO2 power cycle technology** 2021
Umair Sultan Yangjun Zhang Muhammad Farooq Muhammad Imran Alamgir Akhtar Khan Weilin Zhuge Tariq Amin Khan Muhammad Hummayun Yousaf Qasim Ali
Sustainable Energy Technologies and Assessments , Volume 43, Article Number 100978
Impact Factor: 7.632 | **Quartile:** 2 | **Citations:** 28
DOI: 10.1016/j.seta.2020.100978
- Thermal-hydraulic performance and optimization of attack angle of delta winglets in plain and wavy finned-tube heat exchangers** 2019
Hanbing Ke Tariq Amin Khan Wei Li Yusheng Lin Zhiwu Ke Hua Zhu Zhenjiang Zhang
Applied Thermal Engineering , Vol. 150, Page: 1054-1065
Impact Factor: 4.725 | **Quartile:** 1 | **Citations:** 58
DOI: <https://doi.org/10.1016/j.applthermaleng.2019.01.083>
- Numerical study and optimization of corrugation height and angle of attack of vortex generator in the wavy fin-and-tube heat exchanger** 2018
Wei Li Tariq Amin Khan Weiyu Tang W. J. Minkowycz
Journal of Heat Transfer , Volume 140, Issue 11, Article Number 4040609
Impact Factor: 1.479 | **Quartile:** 3 | **Citations:** 16
DOI: <https://doi.org/10.1115/1.4040609>
- Optimal configuration of vortex generator for heat transfer enhancement in a plate-fin channel** 2018
Tariq Amin Khan Wei Li
Journal of Thermal Science and Engineering Applications , Volume 10, Issue 2, Article Number 021013
Impact Factor: 1.115 | **Quartile:** 3 | **Citations:** 25
DOI: <https://doi.org/10.1115/1.4038418>
- Optimal design of plate-fin heat exchanger by combining multi-objective algorithms** 2017
Tariq Amin Khan Wei Li
International Journal of Heat and Mass Transfer , Volume 108, Part B, Pages 1560-1572
Impact Factor: 3.891 | **Quartile:** 1 | **Citations:** 59
DOI: <http://dx.doi.org/10.1016/j.ijheatmasstransfer.2017.01.031>

Conference Proceedings

Effectiveness of Multi Baffles With Trefoils on the Performance of Shell and Tube Heat Exchanger <i>Farhad Ali Tariq Amin Khan Zahid Ahmad Qureshi Muhammad Muzafar Wei Li</i> <i>ASME 2024 Heat Transfer Summer Conference, res.country(233,)</i> Citations: N/A DOI: https://doi.org/10.1115/HT2024-130564	2024
Numerical Investigation of the Thrust Vectoring Performance of a Bypass Dual Throat Nozzle <i>Saadia Afridi Tariq Amin Khan Wei Li S. A. Sherif</i> <i>ASME 2023 Heat Transfer Summer Conference collocated with the ASME 2023 17th International Conference on Energy Sustainability, res.country(233,)</i> Citations: N/A DOI: https://doi.org/10.1115/HT2023-107440	2023

Editorial Activities

Aerospace Science and Technology Reviewed Papers for Journals Impact Factor: 5.0	2024
Thermal Science and Engineering Progress Reviewed Papers for Journals Impact Factor: 5.1	2024