Qazi Shahzad Ali

Assistant Professor

US-Pakistan Center for Advanced Studies in Energy

Email: shahzad.ali@uspcase.nust.edu.pk
Contact: 0515739314
LinkedIn: linkedin.com/in/qazi-shahzad-ali-143701147

About

Dr. Qazi Shahzad Ali is working as Assistant Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. Qazi Shahzad Ali has a PhD in Mechanical Engineering. Dr. Qazi Shahzad Ali has published 9 research articles & conference papers having a citation count of 66, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mechanical Engineering 2017 - 2022
Kyungpook National University , South Korea

MS in Mechanical Design Engineering 2012 - 2014
UET Lahore , Pakistan

BS in Industrial and Manufacturing Engineering 2001 - 2006
UET Lahore , Pakistan

Experience

Assistant Professor 2025- Present
US-Pakistan Center for Advanced Studies in Energy

Assistant Professor 2023 - 2023
US-Pakistan Center for Advanced Studies in Energy

Lecturer cum Lab Engineer 2009 - 2017
University of Gujrat , Jalalpur Jattan Road, Gujrat, Punjab 50700, Pakistan

Process Engineer 2006 - 2009
Sanpak Engineering Industries Pvt (Ltd) , 4-K.M Manga, Raiwind Road Distrct Kasur, Pakistan

Research Articles

Parametric analysis and prototype development of smog-free tower for sustainable urban environment 2025

Muhammad Hamza sana yaqub Majid Ali Mustafa Anwar Abeera Ayaz Ansari Qazi Shahzad Ali Awais Bokhari Muhammad Murtaza

Separation and Purification Technology, Volume 362, Part 2, Article Number 131776

Impact Factor: 8.100 | **Quartile:** 1

DOI: https://doi.org/10.1016/j.seppur.2025.131776

Assessing the impacts of economic growth, stringent environmental policies, renewable energy, and non-renewable energy on environmental sustainability in G-7 economies: Insights from the Method of Moments Quantile Regression 2025

Huri Gül Aybudak Waqar Khalid Muhammad Usman Mehdi Seraj Abdul Rafay Qazi Shahzad Ali

Asia-Pacific Journal of Regional Science, Pages 1-30

Impact Factor: 1.700 | **Quartile:** 2

DOI: https://doi.org/10.1007/s41685-025-00388-4

Quantifying impacts of shell augmentation on power output of airborne wind energy system at elevated heights 2022

Qazi Shahzad Ali Man-Hoe Kim

Energy , Volume:239, Article Number: 121839

Impact Factor: 8.9 | **Quartile:** 1 | **Citations:** 5

DOI: 10.1016/j.energy.2021.121839

Power conversion performance of airborne wind turbine under unsteady loads 2022

Qazi Shahzad Ali Man-Hoe Kim

Renewable and Sustainable Energy Reviews, Volume:153, Article Number:111798

Impact Factor: 15.9 | **Quartile:** 2 | **Citations:** 16

DOI: 10.1016/j.rser.2021.111798

Design and performance analysis of an airborne wind turbine for high-altitude energy harvesting 2021

Qazi Shahzad Ali Man Hoe Kim

Energy , Volume:230,

Impact Factor: 8.857 | **Quartile:** 1 | **Citations:** 24

DOI: 10.1016/j.energy.2021.120829

Unsteady aerodynamic performance analysis of an airborne wind turbine under load varying conditions at high altitude 2020

Qazi Shahzad Ali Man-Hoe Kim

Energy Conversion and Management, Volume:210, Article Number:112696

Impact Factor: 9.709 | **Quartile:** 1 | **Citations:** 19

DOI: 10.1016/j.enconman.2020.112696

A systematic failure finding model of wind turbine drive train based on interfaces 2018

Muhammad Usman Bilal Akbar Sajjad Miran Qazi Shahzad Ali

World Journal of Engineering, Volume:15, Issue:1, Page:86-90

Impact Factor: N/A

DOI: 10.1108/WJE-10-2016-0119

Assessment of solar cooling technologies using the analytical hierarchical process 2017

Muhammad Usman Qazi Shahzad Ali Muhammed Bilal

World Journal of Engineering, Volume:14, Issue:1, Page:84-90

Impact Factor: N/A | **Citations:** 2

DOI: 10.1108/WJE-11-2016-0135

Conference Proceedings

2D Formulation of Crack model by using the Smeared Material Properties 2018

Qazi Shahzad Ali Man-Hoe Kim

ISER 105th International Conference, Kuala Lumpur, res.country(157,)

Citations: N/A

DOI: Nil