

Yasir Ali

Instructor

College of Aeronautical Engineering

Email: yali@cae.nust.edu.pk

Contact:



About

Dr. Yasir Ali is working as Instructor in the College of Aeronautical Engineering. Dr. Yasir Ali has a PhD in Design and Manufacturing. Dr. Yasir Ali has published 8 research articles & conference papers having a citation count of 42, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Design and Manufacturing Dongguk University , South Korea	2016 - 2021
BS in Mechanical Engineering BSE, Karachi , pakistan (Duplicate)	2014 - 2016

Experience

Instructor College of Aeronautical Engineering	2022- Present
Lab Engineer GIK Institute of Engineering Sciences and Technology , GIKI, Topi Swabi	2014 - 2016

Structural health monitoring of shell structures with preexisting cracks

2025

Ihtisham Khalid Zahid Ahmad Yasir Ali Selda Oterkus Erkan Oterkus

Mechanical Systems and Signal Processing, Volume:231, Article Number 112663

Impact Factor: 7.900 | **Quartile:** 1

DOI: <https://doi.org/10.1016/j.ymssp.2025.112663>

Synergistic charge transfer in 3D-V2O5/1D-Co3O4 composite for ultra-sensitive NO2 gas detection

2025

Huimin Yuan Muhammad Hilal Yasir Ali Hafiz Muhammad Uzair Ayub Zhicheng Cai Hyojung Kim Weibin Zhang Ali Abbas Khan Hany S. Abdo Ibrahim A.

Alnaser Yongha Hwang Jeong In Han

Surfaces and Interfaces, Volume 58, Article Number 105888

Impact Factor: 5.700 | **Quartile:** 1 | **Citations:** 7

DOI: <https://doi.org/10.1016/j.surfin.2025.105888>

High-performance ZnO:CuO composite-based fiber-shaped electrode for non-enzymatic glucose sensing in biological fluids

2024

Huimin Yuan Muhammad Hilal Yasir Ali Hany S. Abdo Zhicheng Cai Hyojung Kim Ubaid Ullah Huma Fayaz Wanfeng Xie Jeong In Han

Surfaces and Interfaces, Volume 54, Article Number 105266

Impact Factor: 5.700 | **Quartile:** 1 | **Citations:** 11

DOI: <https://doi.org/10.1016/j.surfin.2024.105266>

Effect of Bypass Duct On the Thrust Vectoring Performance of Dual Throat Nozzle in a Supersonic Aircraft

2024

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>

A Multiphysics-Multiscale Model for Particle–Binder Interactions in Electrode of Lithium-Ion Batteries

2023

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](https://doi.org/10.3390/en16155823)

Mechanical Stability of the Heterogenous Bilayer Solid Electrolyte Interphase in the Electrodes of Lithium–Ion Batteries

2023

Yasir Ali Noman Iqbal Imran Shah Seungjun lee

Mathematics, Volume 11, Issue 3, Article Number 543

Impact Factor: 2.592 | **Quartile:** 1 | **Citations:** 2

DOI: [10.3390/math11030543](https://doi.org/10.3390/math11030543)

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](https://doi.org/10.3390/en16020880)

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>