

# Sohaib Zia Khan

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## About

Dr. Sohaib Zia Khan is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Sohaib Zia Khan has published 13 research articles & conference papers having a citation count of 303, carried out 0 projects and filed 0 intellectual property.

## Qualifications

## Experience

<b>Assistant Professor</b> Pakistan Navy Engineering College	2018- Present
<b>Assistant Professor</b> Pakistan Navy Engineering College	2016 - 2010
<b>Assistant Professor</b> Pakistan Navy Engineering College	2015 - 2016
<b>Assistant Professor</b> Pakistan Navy Engineering College	2012 - 2015
<b>Assistant Professor</b> Pakistan Navy Engineering College	2010 - 2016
	- Present

## Research Articles

<b>Performance and Environmental Sustainability of Fish Waste Biodiesel on Diesel Engines</b> <i>Mehmood Ali Muhammad Shakaib Syed Asad Ali Zaidi Asad Javed Sohaib Zia Khan Ashraf Aly Hassan Sustainability</i> , Volume 17(12), Article Number 5385 <b>Impact Factor:</b> 3.300   <b>Quartile:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.3390/su17125385">https://doi.org/10.3390/su17125385</a>	2025
<b>Impact of different weight fractions of silica nanoparticles on the surface finish, rheological, and mechanical properties of photopolymer 3D printed nanocomposites using UV lasers</b> <i>Sohaib Zia Khan Muhammad Asif Syed Asad Ali Zaidi Fitriani Imaduddin Abdulrahman Aljabri Ahmed A. D. Sarhan Progress in Additive Manufacturing</i> , Pages 1-18 <b>Impact Factor:</b> 4.400   <b>Quartile:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1007/s40964-025-01093-6">https://doi.org/10.1007/s40964-025-01093-6</a>	2025
<b>Analysis of the performance optimisation parameters of shell and tube heat exchanger using CFD</b> <i>Umer Zahid Ahmad Hanan Tariq Feroze Sohaib Khan Australian Journal of Mechanical Engineering</i> , Pages 1-14 <b>Impact Factor:</b> N/A   <b>Citations:</b> 5 <b>DOI:</b> <a href="https://doi.org/10.1080/14484846.2021.1914890">10.1080/14484846.2021.1914890</a>	2021
<b>Conceptual design of composite bridge sandwich structure</b> <i>Hafiz Muhammad Waqas Dongyan Shi Lilly Tong Muhammad Imran Sohaib Zia Khan Shafiq ur Rehman Qureshi Waqas Ahmed Applied Sciences</i> , Volume:11, Issue:1, Page:1-18 <b>Impact Factor:</b> 2.838   <b>Quartile:</b> 1   <b>Citations:</b> 6 <b>DOI:</b> <a href="https://doi.org/10.3390/app11010214">https://doi.org/10.3390/app11010214</a>	2021

- Conjoint effect of microwave irradiation and metal nanoparticles on biogas augmentation from anaerobic digestion of green algae** 2019  
*Syed Asad Ali Zaidi Feng RuiZhe Adil Malik Sohaib Zia Khan Asad J. Bhutta Yue Shi Kashif Mushtaq International Journal of Hydrogen Energy*, Volume 44, Issue 29, Pages 14661-14670  
**Impact Factor:** 4.939 | **Quartile:** 2 | **Citations:** 47  
**DOI:** 10.1016/j.ijhydene.2019.02.245
- Conceptual Design of Composite Sandwich Structure Submarine Radome** 2019  
*Lili Tong Asad A. Zaidi Javid Iqbal Waqas Ahmed Fazal e Ahad Hafiz Muhammad Waqas Dongyan Shi Muhammad Imran Sohaib Zia Khan Materials*, Vol. 12 No.12, Paper No. 1966  
**Impact Factor:** 3.057 | **Quartile:** 2 | **Citations:** 21  
**DOI:** <https://doi.org/10.3390/ma12121966>
- Combining Microwave Pretreatment with Iron Oxide Nanoparticles Enhanced Biogas and Hydrogen Yield from Green Algae** 2019  
*Syed Asad Ali Zaidi Ruizhe Feng Adil Malik Sohaib Zia Khan Yue Shi Asad Javed Ahmer H. Shah Processes*, Vol.7, Issue 1, Article No. 24  
**Impact Factor:** 2.753 | **Quartile:** 2 | **Citations:** 75  
**DOI:** <https://doi.org/10.3390/pr7010024>
- A Projected Finite Element Update Method for Inverse Identification of Material Constitutive Parameters in transversely Isotropic Laminates** 2017  
*Muhammad Zeeshan Siddiqui Sohaib Zia Khan Muhammad Ali Khan Kamran Ahmed Khan Majid Shahzad Salman Nisar Danish Noman Experimental Mechanics*, Volume 57, Issue 5, Pages 755-772  
**Impact Factor:** 2.319 | **Quartile:** 2 | **Citations:** 11  
**DOI:** <https://doi.org/10.1007/s11340-017-0269-z>
- Micromechanical modeling of 8-harness satin weave glass fiber-reinforced composites** 2017  
*Rizwan Saeed Choudhry Kamran A Khan Sohaib Zia Khan Muhammad Ali Khan Journal of Composite Materials*, Volume 51, Issue 5, Pages 705-720  
**Impact Factor:** 1.613 | **Quartile:** 2 | **Citations:** 36  
**DOI:** DOI:10.1177/0021998316649782
- Reducing machining distortion in AA 6061 alloy through re-heating technique** 2017  
*Abdul Rafeeq Khan Salman Nisar Syed Aqueel shah Muhammad Ali Khan Sohaib Zia Khan M. A. Sheikh Materials Science and Technology*, Volume 33, Issue 6, Pages 731-737  
**Impact Factor:** 1.803 | **Quartile:** 2 | **Citations:** 21  
**DOI:** 10.1080/02670836.2016.1243335
- Comparison of ANN and Finite Element Model for the Prediction of Thermal Stresses in Diode Laser Cutting of Float Glass** 2015  
*Muhammad Bilal Kadri Salman Nisar Sohaib Zia Khan Waqar Ahmad Khan Optik - International Journal for Light and Electron Optics*, Volume 126, Issue 19, Pages 1959-1964  
**Impact Factor:** 0.742 | **Quartile:** 4 | **Citations:** 14  
**DOI:** doi:10.1016/j.ijleo.2015.05.033
- Mechanical fatigue in aluminium at elevated temperature and remaining life prediction based on natural frequency evolution** 2015  
*Muhammad Ali Khan W. Sohail M. Sohaib Sohaib Zia Khan H. Khan Salman Nisar Fatigue & Fracture of Engineering Materials & Structures*, Volume 38, Issue 8, Pages: 897-903  
**Impact Factor:** 1.838 | **Quartile:** 1 | **Citations:** 29  
**DOI:** DOI: 10.1111/ffe.12287