

About

Dr. Asif Khan is working as Defence Faculty in the Pakistan Navy Engineering College. Dr. Asif Khan has a PhD in Heat Transfer. Dr. Asif Khan has published 16 research articles & conference papers having a citation count of 178, carried out 0 projects and filed 0 intellectual property.

Qualifications

<b>PhD in Heat Transfer</b> UET Taxila , Pakistan	2015 - 2023
<b>Master in Thermal System Engineering</b> UET Taxila , Pakistan	2012 - 2014
<b>BE in Mechanical</b> University of Wah , Pakistan	2006 - 2010

Experience

<b>Defence Faculty</b> Pakistan Navy Engineering College	2020- Present
<b>Instructor</b> pakistan Navy Engineering College , PNS Jauhar, Karachi	2019 - 2019
<b>Lecturer</b> Swedish College of Engineering and Technology, Wah cantt , Wah Cantt, GT Road	2014 - 2019

Research Articles

<b>Effect of surface roughness and temperature on thermal properties of double-walled pipes of heat exchangers</b> <i>Babar Hayat Wang Yafei Asif Khan Muzaffar Ali Wang Tao Zhang Peng Shijun Ji Zhao Yang</i> <i>International Communications in Heat and Mass Transfer</i> , Volume:168, Article Number 109413 <b>Impact Factor:</b> 6.400   <b>Quartile:</b> 1 <b>DOI:</b> doi.org/10.1016/j.icheatmasstransfer.2025.109413	2025
<b>The effect of rudder deflections on hydrodynamic performance of underwater vehicles during dynamic maneuver</b> <i>Imran Khan Adil Loya Sajjad Haider Zaidi Asif Khan Muntazir Abbas</i> <i>Journal of Engineering and Applied Science</i> , Volume:72, Issue:1, Article Number: 65 <b>Impact Factor:</b> N/A   <b>Quartile:</b> 2 <b>DOI:</b> doi.org/10.1186/s44147-025-00626-8	2025
<b>Evaluation of the influence of dissolved nitrates on corrosion behaviour of ship structural steel exposed to seawater environment</b> <i>Muntazir Abbas Syed Haider Mehdi Rizvi Shoaib Sarfraz Asif Raza Asif Khan Adil Loya Antash Najib</i> <i>Ocean Engineering</i> , Volume 298, Article Number 117268 <b>Impact Factor:</b> 5.0   <b>Quartile:</b> 1   <b>Citations:</b> 4 <b>DOI:</b> 10.1016/j.oceaneng.2024.117268	2024
<b>Application of PEG-Fe3O4 nanofluid in flat-plate solar collector: An experimental investigation</b> <i>Naveed Akram Syed Tawab Shah Ali H. Abdelrazek Asif Khan S.N. Kazi Rad Sadri Fausto Pedro García Márquez Manzoore Elahi M. Soudagar</i> <i>Solar Energy Materials and Solar Cells</i> , Volume 263, Article Number 112566 <b>Impact Factor:</b> 6.300   <b>Quartile:</b> 1   <b>Citations:</b> 26 <b>DOI:</b> https://doi.org/10.1016/j.solmat.2023.112566	2023

<b>A survey study of the correlations developed for single-phase heat transfer and pressure drop using nanofluids</b> <i>Asif Khan Mohammad Hunain Latif Muddassir Ali Zulfikar Khattak Ahmed Adnan Ferial Ghaemi Dumitru Baleanu T. Mohamed</i> <i>Journal of Thermal Analysis and Calorimetry</i> , Volume: 147, Pages: 10533-10567 <b>Impact Factor: 4.4   Quartile: 1   Citations: 3</b> <b>DOI:</b> 10.1007/s10973-022-11235-5	2022
<b>Comparative molecular dynamics simulations of thermal conductivities of aqueous and hydrocarbon nanofluids</b> <i>Adil Loya Antash Najib Fahad Aziz Asif Khan Guogang Ren Kun Luo</i> <i>Beilstein Journal of Nanotechnology</i> , Volume 13, Pages 620-628 <b>Impact Factor: 3.272   Quartile: 2   Citations: 7</b> <b>DOI:</b> <a href="https://doi.org/10.3762/bjnano.13.54">https://doi.org/10.3762/bjnano.13.54</a>	2022
<b>Thermo-hydraulic behavior of alumina/silica hybrid nanofluids through a straight minichannel heat sink</b> <i>Asif Khan Muddassir Ali</i> <i>Case Studies in Thermal Engineering</i> , Volume: 31, Article Number:101838 <b>Impact Factor: 6.8   Quartile: 1   Citations: 22</b> <b>DOI:</b> 10.1016/j.csite.2022.101838	2022
<b>A Review on Applications of Piezoelectric Materials in Aerospace Industry</b> <i>Hassan Elahi Khushboo Munir Marco Eugeni Muneeb Abrar Asif Khan Adeel Arshad Paolo Gaudenzi</i> <i>Integrated Ferroelectrics</i> , Volume:211, Issue:1, Pages 25-44 <b>Impact Factor: 0.836   Quartile: 4   Citations: 71</b> <b>DOI:</b> <a href="https://doi.org/10.1080/10584587.2020.1803672">https://doi.org/10.1080/10584587.2020.1803672</a>	2020
<b>Experimental investigation of enhanced heat transfer of a car radiator using ZnO nanoparticles in H<sub>2</sub>O–ethylene glycol mixture</b> <i>Asif Khan Hafiz Muhammad Ali Rabia Nazir Rashid Ali Arjmand Munir Bilal Ahmad Zeeshan Ahmad</i> <i>Journal of Thermal Analysis and Calarometry</i> , Volume 138, Pages 3007-3021 <b>Impact Factor: 2.731   Quartile: 2</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s10973-019-08320-7(0123456789().,-volV)(0123456789().,-volV)">https://doi.org/10.1007/s10973-019-08320-7(0123456789().,-volV)(0123456789().,-volV)</a>	2019
<b>A comprehensive review pool boiling using nanofluids</b> <i>Asif Khan Hafiz Muhammad Ali</i> <i>Thermal Science</i> , Volume:23, Pages 3209-3237 <b>Impact Factor: 1.574   Quartile: 3   Citations: 19</b> <b>DOI:</b> <a href="https://doi.org/10.2298/TSCI190110072K">https://doi.org/10.2298/TSCI190110072K</a>	2019
<b>NUMERICAL SIMULATION OF VORTEX INDUCED VIBRATIONS IN HEAT EXCHANGER TUBE BUNDLE AT LOW REYNOLDS NUMBER</b> <i>Asif Khan Shahab Khushnood Imran Sajid Shahid N. Saqib</i> <i>Journal of Naval Architecture and Marine Engineering</i> , Volume 14(2), Pages 77-91 <b>Impact Factor: N/A   Citations: 2</b> <b>DOI:</b> <a href="https://doi.org/10.3329/jname.v14i2.25894">https://doi.org/10.3329/jname.v14i2.25894</a>	2017

Conference Proceedings

Investigation of heat exchange performance with stainless steel double-walled pipe of power plant2024

Babar Hayat Shijun Ji Asif Khan Shah Rukh Jameel Hafiz Muhammad Muzammi Mirza Abdullah Rehan Muzaffar Ali Muhammad Saud Khan Muhammad Waqas

First International Conference on Advances in Mechanical, Materials, Mechatronics, and Energy Engineering (ICAME-24), res.country(177,)

Citations: N/A

DOI: ISBN : 978 - 627 - 94520 - 0 - 9

Analysis of Vertical Axis Wind Turbine Utilizing Dissimilar Airfoil Blade Combination2024

Asif Khan Adil Loya Fahad Aziz Muntazir Abbas Babar Hayat Muhammad Zia Ullah Khan Emad Uddin Muhammad Asfandyar Arshad Imran

First International Conference on Advances in Mechanical, Materials, Mechatronics, and Energy Engineering (ICAME-24) , res.country(177,)

Citations: N/A

DOI: <https://web.uettaxila.edu.pk/icame2024>

Concept Design of Low Emission Fuel Cell based Ship Propulsion System for Maritime Defence Export2022

Industry

Asif Raza Muntazir Abbas Wayne Coote M Magzoub P Brown Asif Khan

13th International Conference on Hydrogen & Production (ICH2P-22), res.country(177,)

Citations: N/A

DOI: Nil

Book Chapters

Energy management in marine transportation sector2025

Muntazir Abbas Qamar Abbas Asif Khan Syed Muhammad Tayyab Syed Haider Mehdi Rizvi Asif Raza Sajjad Haider Zaidi Asghar Abbas Razzaqi Sumaira Haider Syed Ali Sarfraz

In: Reference Module in Earth Systems and Environmental Sciences, Pages 1-34

Citations: N/A

DOI: 10.1016/b978-0-44-313219-3.00151-9