

Zubair Sajid

Assistant Professor

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About

Dr. Zubair Sajid is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Zubair Sajid has a PhD in Mechanical Engineering. Dr. Zubair Sajid has published 14 research articles & conference papers having a citation count of 639, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Mechanical Engineering Petronas Technology University , Malaysia	2018 - 2021
MS in Mechanical Engineering NUST, Islamabad , Pakistan	2011 - 2015
BS in Aerospace Engineering Institute of Space Technology , Pakistan	2005 - 2009

Experience

Assistant Professor College of Electrical & Mechanical Engineering	2025- Present
Assistant Professor College of Electrical & Mechanical Engineering	2022 - 2022
Tutor and Lab Demonstrator University Technology Petronas , 32610 Seri Iskandar, Perak Darul Ridzuan, Universiti Teknologi PETRONAS, Malaysia	2018 - 2021

Research Projects

National Projects	
Study Of Open Hole Tensile Behavior using Synthetic/natural Fibers Hybrid Composites Funding Agency: IGNITE Amount: PKR 11,179.00 Status: Completed	2025

International Projects

Research Articles

Bearing performance and damage characteristics of rein-infused thermoplastic 3D woven composites bolted joints Zubair Sajid S. Z. H. Shah P. S. M. Megat-Yusoff Tahir Sharif S. M. Hussnain R. S. Choudhry Polymer Composites , Volume 45, Issue 1, Pages 631-652 Impact Factor: 4.800 Quartile: 1 Citations: 9 DOI: https://doi.org/10.1002/pc.27802	2024
Analytical Method for the Optimization of the Open-Hole and Filled-Hole Laminates at the Preliminary Design Stage Zubair Sajid Saravanan Karuppanan Kee Kok Eng Syed Zulfiqar Hussain Shah Materials , Volume 16, Issue 6, Article Number 2213 Impact Factor: 3.4 Quartile: 2 Citations: 2 DOI: https://doi.org/10.3390/ma16062213	2023

Effect of Washer Size and Tightening Torque on Bearing Performance of Basalt Fiber Composite Bolted Joints <i>Zubair Sajid Saravanan Karuppanan Syed Zulfiqar Hussain Shah</i> <i>Journal of Natural Fibers</i> , Volume 19, Issue 13, Pages 5910-5927 Impact Factor: 3.5 Quartile: 1 Citations: 10 DOI: https://doi.org/10.1080/15440478.2021.1902898	2022
Bearing performance improvement of single-lap, single-bolt basalt composite joints by locally strengthening the joint location using carbon fibre <i>Zubair Sajid Saravanan Karuppanan Kee Kok Eng Nabiha Binti Sallih Syed Zulfiqar Hussain Shah</i> <i>Thin-Walled Structures</i> , Volume:180, Article Number:109873 Impact Factor: 6.4 Quartile: 1 Citations: 19 DOI: 10.1016/j.tws.2022.109873	2022
Off-Axis and On-Axis Performance of Novel Acrylic Thermoplastic (Elium®) 3D Fibre-Reinforced Composites under Flexure Load <i>Syed Zulfiqar Hussain Shah Puteri S.M.Megat-Yusoff Saravanan Karuppanan Rizwan Saeed Choudhry Zubair Sajid</i> <i>Polymers</i> , Volume 14, Issue 11, Article Number 2225 Impact Factor: 5.0 Quartile: 1 Citations: 14 DOI: https://doi.org/10.3390/polym14112225	2022
Multiscale damage modelling of 3D woven composites under static and impact loads <i>Syed Zulfiqar Hussain Shah Puteri S.M.Megat-Yusoff Saravanan Karuppanan Rizwan Saeed Choudhry Zubair Sajid</i> <i>Composites Part A: Applied Science and Manufacturing</i> , Volume 151, Article Number 106659 Impact Factor: 9.463 Quartile: 1 Citations: 63 DOI: https://doi.org/10.1016/j.compositesa.2021.106659	2021
Experimental investigation on the quasi-static crush performance of resin-infused thermoplastic 3D fibre-reinforced composites <i>S.Z.H Shah PSM. Megat-Yousaf R.S. Choudhry Zubair Sajid Israr Ud Din</i> <i>Composites Communications</i> , Volume 28, Article Number 100916 Impact Factor: 6.617 Quartile: 1 Citations: 22 DOI: 10.1016/j.coco.2021.100916	2021
Effect of vacuum manipulation on inter laminar shear strength and flexural strength in double bag vacuum infusion moulding <i>Kamal Iqbal Rana Zubair Sajid Jie Tao Laraib Alam Khan</i> <i>Polymers and Polymer Composites</i> , Volume 29, Issue 9 suppl, Pages S432-S440 Impact Factor: 1.841 Quartile: 3 Citations: 3 DOI: https://doi.org/10.1177/09673911211004206	2021
Carbon/basalt hybrid composite bolted joint for improved bearing performance and cost efficiency <i>Zubair Sajid Saravanan Karuppanan Kee Kok Eng Nabiha Binti Sallih Syed Zulfiqar Hussain Shah</i> <i>Composite Structures</i> , Volume:275, Article Number:113802 Impact Factor: 6.603 Quartile: 1 Citations: 25 DOI: 10.1016/j.compstruct.2021.114427	2021
Role of washer size in mitigating adverse effects of bolt-hole clearance in a single-lap, single-bolt basalt composite joint <i>Zubair Sajid Saravanan Karuppanan Nabiha Binti Sallih Kee Kok Eng Syed Zulfiqar Hussain Shah</i> <i>Composite Structures</i> , Volume:266, Article Number:113802 Impact Factor: 6.603 Quartile: 1 Citations: 29 DOI: 10.1016/j.compstruct.2021.113802	2021
Performance comparison of resin-infused thermoplastic and thermoset 3D fabric composites under impact loading <i>Syed Zulfiqar Hussain Shah Puteri S.M.Megat-Yusoff Saravanan Karuppanan Rizwan Saeed Choudhry Faiz Ahmad Zubair Sajid P. Gerard K. Sharp</i> <i>International Journal of Mechanical Sciences</i> , Volume 189, Article Number 105984 Impact Factor: 6.772 Quartile: 1 Citations: 86 DOI: https://doi.org/10.1016/j.ijmecsci.2020.105984	2021
Elastic constants prediction of 3d fiber-reinforced composites using multiscale homogenization <i>Syed Zulfiqar Hussain Shah Puteri S.M.Megat-Yusoff Saravanan Karuppanan Zubair Sajid</i> <i>Processes</i> , Volume 8, Issue 6, Pages 1-12 Impact Factor: 2.847 Quartile: 3 Citations: 16	2020

Conference Proceedings

Numerical Study of Gas-Sand Two-Phase Flow Erosion in a Standard 90° Elbow †

2023

Nauman Khan Muhammad Rehan Khan Sati Ullah Tariq Talha Muhammad Ali Khan Zubair Sajid

Third International Conference on Advances in Mechanical Engineering 2023 (ICAME-23), Islamabad, Pakistan,, res.country(177,)

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