

Taiba Zahid

Associate Professor

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About

Dr. Taiba Zahid is working as Associate Professor in the NUST Business School. Dr. Taiba Zahid has a PhD in operations research. Dr. Taiba Zahid has published 17 research articles & conference papers having a citation count of 143, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in operations research Technische Universität Dresden , Germany	2013 - 2017
MS in mechanical NUST, Islamabad , Pakistan	2011 - 2013

Experience

Associate Professor NUST Business School	2025- Present
Associate Professor NUST Business School	2022 - 2022
Assistant Professor NUST Business School	2021 - 2022
assistant professor CUST , sihala, islamabad	2018 - 2021
assistant professor IST , islamabad	2017 - 2018
research associate IST , islamabad	2012 - 2013

Research Articles

Investigation of Hardness and Microanalysis of Sintered Aluminum-Based Supplemented Metal Matrix Machined Composites <i>Muhammad Raheel Bhutta Fouzia Gillani Taiba Zahid Saira Bibi Usman Ghafoor</i> <i>Crystals</i> , Volume 13(9), Article Number 1347 Impact Factor: 2.7 Quartile: 2 Citations: 1 DOI: https://doi.org/10.3390/cryst13091347	2023
Hydrogen as Potential Primary Energy Fuel for Municipal Solid Waste Incineration for a Sustainable Waste Management <i>Osama Majeed Butt Saira Bibi Muhammad Shakeel Ahmad Hang Seng Che Taiba Zahid Sameena Bibi Nasrudin Abd Rahim</i> <i>IEEE Access</i> , Volume 10, Pages 114586-114596 Impact Factor: 3.476 Quartile: 2 Citations: 15 DOI: http://dx.doi.org/10.1109/ACCESS.2022.3216706	2022
Parametric Optimization for Quality of Electric Discharge Machined Profile by Using Multi-Shape Electrode <i>Fouzia Gillani Taiba Zahid Sameena Bibi Samiullah Khan Muhammad Raheel Bhutta Usman Ghafoor</i> <i>Materials</i> , Volume 15(6), Article Number 2205 Impact Factor: 3.623 Quartile: 1 Citations: 8 DOI: 10.3390/ma15062205	2022

<p>Synchromodal Transportation Analysis of the One-Belt-One-Road Initiative Based on a Bi-Objective Mathematical Model</p> <p><i>Taiba Zahid Fouzia Gillani Usman Ghafoor Raheel Bhutta</i> <i>Sustainability</i> , Volume 14(6), Article Number 3201</p> <p>Impact Factor: 3.251 Quartile: 2 Citations: 7 DOI: https://doi.org/10.3390/su14063201</p>	2022
<p>Effect of Tin Oxide/Black Paint Coating on Absorber Plate Temperature for Improved Solar Still Production: A Controlled Indoor and Outdoor Investigation</p> <p><i>Rana Sami Ullah Khan Sayfar Rasachak Laveet Kumar Taiba Zahid Usman Ghafoor Jeyraj selvaraj Rehana Nasrin Shakeel Ahmed</i> <i>International Journal of Photoenergy</i> , Volume 2022, Article ID 6902783, 12 pages</p> <p>Impact Factor: 2.113 Quartile: 4 Citations: 17 DOI: 10.1155/2022/6902783</p>	2022
<p>A Decision Framework for Solar PV Panels Supply Chain in Context of Sustainable Supplier Selection and Order Allocation</p> <p><i>Raja Awais Liaqait Salman Sagheer Warsi Taiba Zahid Usman Ghafoor Muhammad Shakeel Ahmad Jeyraj Selvaraj</i> <i>Sustainability</i> , Volume 13(23), Article Number 13216</p> <p>Impact Factor: 3.251 Quartile: 2 Citations: 11 DOI: doi.org/10.3390/su132313216</p>	2021
<p>Redefining Critical Tasks for Responsive and Resilient Scheduling–An Intelligent Fuzzy Heuristic Approach</p> <p><i>Taiba Zahid Mujtaba Hasan Agha Salman Sagheer Warsi Usman Ghafoor</i> <i>IEEE Access</i> , Volume 9, Pages 145513-145521</p> <p>Impact Factor: 3.367 Quartile: 2 Citations: 2 DOI: 10.1109/ACCESS.2021.3123138</p>	2021
<p>Sustainability-Based Analysis of Conventional to High-Speed Machining of Al 6061-T6 Alloy</p> <p><i>Salman Sagheer Warsi Taiba Zahid Hassan Elahi Raja Awais Liaquat Saira Bibi Fouzia Gillani Usman Ghafoor</i> <i>Applied Sciences</i> , Volume 11(19), Article Number 9032</p> <p>Impact Factor: 2.679 Quartile: 2 Citations: 8 DOI: 10.3390/app11199032</p>	2021
<p>A Systematic Indoor and Outdoor Study of the Effect of Particle Size and Concentration of TiO2 in Improving Solar Absorption for Solar Still Application</p> <p><i>Heng Semneang Laveet Kumar Amad Zafar Muhammad Umair Ali Taiba Zahid Saira Bibi Shakeel Ahmed Usman Ghafoor Jeyraj Selvaraj</i> <i>Frontiers in Materials</i> , Volume 8, Article Number 683490</p> <p>Impact Factor: 3.515 Quartile: 2 Citations: 6 DOI: https://doi.org/10.3389/fmats.2021.683490</p>	2021
<p>Meta-Heuristic Approach for the Development of Alternative Process Plans in a Reconfigurable Production Environment</p> <p><i>Iqra Sadaf Khan Usman Ghafoor Taiba Zahid</i> <i>IEEE Access</i> , Volume 9, Pages 113508-113520</p> <p>Impact Factor: 3.367 Quartile: 2 Citations: 9 DOI: 10.1109/ACCESS.2021.3104116</p>	2021
<p>Effect of molybdenum disulfide on the performance of polyaniline based counter electrode for dye-sensitized solar cell applications</p> <p><i>Usman Ghafoor Anas Bin Aqeel Uzair Khaleeq uz Zaman Taiba Zahid Muhammad Noman Muhammad Shakeel Ahmad</i> <i>Energies</i> , Volume 14, Issue 13, Article Number 3786</p> <p>Impact Factor: 3.004 Quartile: 3 Citations: 7 DOI: https://doi.org/10.3390/en14133786</p>	2021
<p>A Multi-Criteria Decision Framework for Sustainable Supplier Selection and Order Allocation using Multi-objective Optimization and Fuzzy Approach</p> <p><i>Raja Awais Liaqait Salman Sagheer Warsi Mujtaba Hassan Agha Till Becker Taiba Zahid</i> <i>Engineering Optimization</i> , Pages 1-22</p> <p>Impact Factor: 2.500 Quartile: 2 Citations: 31 DOI: 10.1080/0305215X.2021.1901898</p>	2021
<p>Investigation of surrogate measures of robustness for project scheduling problems</p> <p><i>Mujtaba Hassan Agha Taiba Zahid Thorsten Schmidt</i> <i>Computers & Industrial Engineering</i> , Volume 129, Pages 220-227</p>	2019

Conference Proceedings

Investigation of genetic operators and priority heuristics for simulation based optimization of Multi-Mode Resource Constrained Multi-Project Scheduling Problems (MMRCMPSP) <i>Mathias kuehn Taiba Zahid Michael voelker Zhughen zhou Oliver rose</i> <i>European conference for modeling and simulation, res.country(57,)</i> Citations: N/A DOI: 10.7148/2016-0481	2016
Simulaiton of extended resource constrained scheudling problems with soft computed priority heuristic <i>Taiba Zahid Michael voelker Thorsten Schmidt</i> <i>2016 International Conference on Industrial Engineering and Operations Management, res.country(157,)</i> Citations: N/A DOI: Nil	2016
Multi-Criteria Optimization of Process Plans for Reconfigurable Manufacturing Systems: An Evolutionary Approach <i>Taiba Zahid Aamer Ahmed Baqai</i> <i>ASME 2013 International Mechanical Engineering Congress and Exposition, res.country(233,)</i> Citations: N/A DOI: 10.1115/IMECE2013-64560	2013
A Practical Algorithmic Approach Towards Multi-Modal Resource Constrained Multi-Project Scheduling Problems ((MMRCMPSP) <i>Taiba Zahid michael voelker Thorsten Schmidt</i> <i>ASME 2015 International Mechanical Engineering Congress and Exposition IMECE 2015, res.country(233,)</i> Citations: N/A DOI: doi.org/10.1115/IMECE2015-52178	2013

Editorial Activities

Reviewed Papers for Journals Impact Factor: 3.77	2022
Reviewed Papers for Journals Impact Factor: 3.6	2022