

Uzair Khaleeq Uz Zaman

Associate Professor
College of Electrical & Mechanical Engineering

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About

Dr. Uzair Khaleeq Uz Zaman is working as Associate Professor in the College of Electrical & Mechanical Engineering. Dr. Uzair Khaleeq Uz Zaman has a PhD in Manufacturing Systems. Dr. Uzair Khaleeq Uz Zaman has published 58 research articles & conference papers having a citation count of 482, carried out 3 projects and filed 4 intellectual property.

Qualifications

PhD in Manufacturing Systems Ecole Nationale Supérieure d'Arts et Métiers de Paris , France	2016 - 2019
MS in Manufacturing Engineering NUST, Islamabad , Pakistan	2011 - 2014
BS in Mechanical Engineering Ghulam Ishaq Khan Institute of Science & Technology , Pakistan	2005 - 2009
A Level in Pre-Engineering FBISE, Islamabad , Pakistan	2002 - 2005
O Level in Sciences FBISE, Islamabad , Pakistan	2000 - 2003

Experience

Associate Professor College of Electrical & Mechanical Engineering	2024- Present
Assistant Professor College of Electrical & Mechanical Engineering	2019 - 2024
Lecturer College of Electrical & Mechanical Engineering	2014 - 2019
Business Data Cleanser Pakistan Tobacco Company , Head Office, Islamabad	2013 - 2014
Associate (R&D) Technology Upgradation and Skill Development Company, Ministry of Production, GoP , State Cement Building, Kot Lakhpat, Lahore	2012 - 2013
Assistant Manager (Technical Projects) Inclusive Resource Management (Pvt.) Ltd. , 40, Street 48, G-13/2, Islamabad	2011 - 2012
Trainee Engineer Orient Electronics (Pvt.) Ltd. , 26 km, Multan Road, Lahore	2010 - 2011

Awards

FDP-2015 Secured fully funded scholarship for PhD in Industrial Engineering in France.	2016
FYP Open House First Position in Final Year Project Competition at GIK Institute of Engineering Sciences and Technology, Topi.	2009

Research Projects

National Projects

Design and Development of a Power Generation System for Thermoacoustically Driven Devices

Funding Agency: NESCOM
Amount: PKR 300,000.00
Status: Approved_inprocess

Design and Development of an automated can filling machine

2020

Funding Agency: IGNITE
Amount: PKR 31,681.00
Status: Completed

Warehouse Automation of a Textile Factory using Industry 4.0 Technologies

2020

Funding Agency: NCRA
Amount: PKR 5,567,000.00
Status: Completed

International Projects

Research Articles

The price of innovation: Decoding organizational stressors and strains in the lives of software professionals

2025

Wasi Haider Butt Usman Qamar Uzair Khaleeq Uz Zaman Sadia Khalid Uzair Rasheed
Journal of Workplace Behavioral Health , Pages 1-49
Impact Factor: 1.500 | Quartile: 3
DOI: <https://doi.org/10.1080/15555240.2025.2491418>

Framework of integrated-decision support system for risk identification and mitigation in manufacturing industry: aiming zero-defect manufacturing

2025

Afshan Naseem Uzair Khaleeq Uz Zaman Jelena Petronijevic Muhammad Awais Akbar
International Journal of Management Science and Engineering Management, Pages 1-25
Impact Factor: 3.000 | Quartile: 2
DOI: <https://doi.org/10.1080/17509653.2025.2461001>

Integrated-decision support system (DSS) for risk identification and mitigation in manufacturing industry for zero-defect manufacturing (ZDM): a state-of-the-art review

2024

Muhammad Awais Akbar Afshan Naseem Uzair Khaleeq uz Zaman Jelena Petronijevic
International Journal of Advanced Manufacturing Technology, Volume: 135, Pages: 1893–1931
Impact Factor: 2.900 | Quartile: 2 | Citations: 2
DOI: <https://link.springer.com/article/10.1007/s00170-024-14601-9>

Nanoindentation creep behavior of vacuum diffusion-bonded stainless steel and Inconel 718 joints using a Cu interlayer

2024

Salman Khan Massab Junaid Tauheed Shehbaz Al-Badrawy Abo El-Nasr Hafiz T Ali Uzair Khaleeq uz Zaman
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, Pages 1-11
Impact Factor: 1.800 | Quartile: 3 | Citations: 3
DOI: 10.1177/09544062241285195

Interfacial microstructure and mechanical properties in diffusion bonded Inconel 718 to austenitic stainless-steel joints

2024

Salman Khan Massab Junaid Tauheed Shehbaz Al-Badrawy Abo El-Nasr Hafiz T Ali Uzair Khaleeq uz Zaman
Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, Pages 1-11
Impact Factor: 2.500 | Quartile: 3 | Citations: 4
DOI: 10.1177/14644207241269012

Production risk analysis and prioritization in manufacturing industry: A hybrid approach using Monte Carlo simulation and DEMATEL analysis

2024

Muhammad Awais Akbar Afshan Naseem Yasir Ahmad Uzair Khaleeq uz Zaman
Ain Shams Engineering Journal, Volume 15, Issue 7, Article Number 102756
Impact Factor: 6.000 | Quartile: 1 | Citations: 3
DOI: <https://doi.org/10.1016/j.asej.2024.102756>

Hybrid Additive Manufacturing: A Review from a Process Planning Perspective

2024

<p><i>Rabiah Tabassum Uzair Khaleeq Uz Zaman Aamer Ahmed Baqai, Abdur Rehman Mazhar Sajid Ullah Butt</i> <i>Journal of Advanced Manufacturing Systems</i>, Volume 23, No. 01, Pages 227-262</p> <p>Impact Factor: 0.900 Quartile: 4 Citations: 1 DOI: 10.1142/S0219686724500100</p>	
<p>Numerical and Experimental Analysis of Drag and Lift Forces on a Bullet Head</p> <p><i>Abdullah Khan Imran Shah Shahid Aziz Muhammad Waqas Uzair Khaleeq uz Zaman Dong Won Jung</i> <i>Aerospace</i> , Volume 9(12), Article Number 816</p> <p>Impact Factor: 2.660 Quartile: 1 Citations: 8 DOI: https://doi.org/10.3390/aerospace9120816</p>	2022
<p>Process Parameter Optimization of Additively Manufactured Parts using Intelligent Manufacturing</p> <p><i>Rizwan Ur Rehman Uzair Khaleeq uz Zaman Shahid Aziz Hamid Jabbar Adnan Shujah Shaheer Khaleequzzaman Amir Hamza Usman Qamar Dong Won Jung</i> <i>Sustainability</i> , Volume 14(22), Article Number 15475</p> <p>Impact Factor: 3.889 Quartile: 2 Citations: 4 DOI: https://doi.org/10.3390/su142215475</p>	2022
<p>Optimization of Wire Electric Discharge Machining (WEDM) Process Parameters for AISI 1045 Medium Carbon Steel Using Taguchi Design of Experiments</p> <p><i>Uzair Khaleeq uz Zaman Usman Ahmed Khan Shahid Aziz Aamer Ahmed Baqai Sajid Ullah Butt Danish Hussain Ali Siadat Dong Won Jung</i> <i>Materials</i> , Volume 15(21), Article Number 7846</p> <p>Impact Factor: 3.748 Quartile: 1 Citations: 13 DOI: 10.3390/ma15217846</p>	2022
<p>Accuracy Investigation of Fused Deposition Modelling (FDM) Processed ABS and ULTRAT Parts</p> <p><i>Insaf Bahnini Daniel-Constantin Anghel Alin Daniel Rizea Uzair Khaleeq uz Zaman Ali Siadat</i> <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i>, Volume 12(1), Pages 1-19</p> <p>Impact Factor: N/A DOI: 10.4018/IJMMME.293225</p>	2022
<p>Modeling and evaluation of freeform extruded filament based on numerical simulation method for direct ink writing</p> <p><i>Yongqiang Tu Alaa Hassan Javier A. Arrieta-Escobar Uzair Khaleeq uz Zaman Ali Siadat Gongliu Yang</i> <i>International Journal of Advanced Manufacturing Technology</i>, Pages 1-9</p> <p>Impact Factor: 3.226 Quartile: 2 Citations: 11 DOI: https://doi.org/10.1007/s00170-022-08999-3</p>	2022
<p>Smart Warehouse Management System: Architecture, Real-Time Implementation and Prototype Design</p> <p><i>Muhammad Gufran Khan Noor Ul Huda Uzair Khaleeq uz Zaman</i> <i>Machines</i> , Volume 10(2), Article Number 150</p> <p>Impact Factor: 2.428 Quartile: 2 Citations: 57 DOI: https://doi.org/10.3390/machines10020150</p>	2022
<p>Optimizing Process Parameters of Direct Ink Writing for Dimensional Accuracy of Printed Layers</p> <p><i>Yongqiang Tu Javier A. Arrieta-Escobar Alaa Hassan Uzair Khaleeq uz Zaman Ali Siadat Gongliu Yang</i> <i>3D Printing and Additive Manufacturing</i> , Pages 1-12</p> <p>Impact Factor: 5.449 Quartile: 2 Citations: 21 DOI: https://doi.org/10.1089/3dp.2021.0208</p>	2021
<p>A Comprehensive Literature Review of Application of Artificial Intelligence in Functional Magnetic Resonance Imaging for Disease Diagnosis Introduction</p> <p><i>Ali Nawaz Attique Ur Rehman Tahir Mohammad Ali Zara Hayat Aqsa Rahim Uzair Khaleeq uz Zaman Amad Rizwan Ali</i> <i>Applied Artificial Intelligence</i> , Pages 1-19</p> <p>Impact Factor: 1.580 Quartile: 3 Citations: 6 DOI: 10.1080/08839514.2021.1982185</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>Tensile Strength Improvement of Concrete Slabs Using Polyurea Spray</p>	2021

Muhammad Rizwan Shaheer Khaleequzzaman Uzair Khaleeq-uz-Zaman Syed Aqib Fida Amjed Shahzad Muneeb Rehman Muhammad Oneeb Sulaiman
Practice Periodical on Structural Design and Construction, Volume 26(1), Article Number 04020048

Impact Factor: N/A | **Citations:** 9

DOI: 10.1061/(ASCE)SC.1943-5576.0000530

Influence of Wear and Tool Geometry on the Chatter, Cutting Force, and Surface Integrity of TB6

2020

Titanium Alloy with Solid Carbide Cutters of Different Geometry

Jianyong Liu Jianfei Sun Uzair Khaleeq uz Zaman Wuyi Chen

Strojniski vestnik - Journal of Mechanical Engineering, Volume 66(12), Pages 709-723

Impact Factor: 1.554 | **Quartile:** 3 | **Citations:** 11

DOI: 10.5545/sv-jme.2020.6714

Computer-aided design (CAD) compensation through modeling of shrinkage in additively manufactured parts

2020

Insaf Bahnini Uzair Khaleeq uz Zaman Nicolas Bonnet Ali Siadat Mickaël Rivette

International Journal of Advanced Manufacturing Technology, Vol.106, Pages 3999-4009

Impact Factor: 3.226 | **Quartile:** 2 | **Citations:** 12

DOI: 10.1007/s00170-020-04924-8

RSSI based Localization of Bluetooth Devices for Visually Impaired

2019

Muhammad Irfan Aziz Thomas Owens Muhammad Bashir Akbar Uzair Khaleeq-uz-Zaman

Journal of Signal and Information Processing, Volume 10, Issue 2, Pages 37-57

Impact Factor: -

DOI: <https://doi.org/10.4236/jsip.2019.102004>

Impact of fused deposition modeling (FDM) process parameters on strength of built parts using Taguchi's design of experiments

2019

Emilien Boesch Ali Siadat Mickael Rivette Aamer Ahmed Baqai Uzair Khaleeq uz Zaman

International Journal of Advanced Manufacturing Technology, Volume 101, Issue 5–8, Pages 1215–1226

Impact Factor: 2.633 | **Quartile:** 2 | **Citations:** 150

DOI: 10.1007/s00170-018-3014-6

Incorporation of part complexity into system scalability for flexible/reconfigurable systems

2018

Syed Maaz Hasan Aamer Ahmed Baqai Sajid Ullah Butt Muhammad Farhan Ausaf Uzair Khaleeq uz Zaman

The International Journal of Advanced Manufacturing Technology, Volume:99, Issue:9-12, Page:2959-2979

Impact Factor: 2.496 | **Quartile:** 2 | **Citations:** 4

DOI: 10.1007/s00170-018-2654-x

Product family formation based on complexity for assembly systems

2018

Syed Maaz Hasan Uzair Khaleeq uz Zaman Aamer Ahmed Baqai Sajid Ullah Butt

The International Journal of Advanced Manufacturing Technology, NULL

Impact Factor: 2.496 | **Quartile:** 2 | **Citations:** 13

DOI: [DOI:https://doi.org/10.1007/s00170-017-1174-4](https://doi.org/10.1007/s00170-017-1174-4)

An ontology-based modelling and reasoning framework for assembly sequence planning

2018

Lihong Qiao Yifan Qie Zuowei Zhu Yixin Zhu Nabil Anwer Uzair Khaleeq Uz Zaman

International Journal of Advanced Manufacturing Technology, Volume: 94 Issue: 9-12 Pages: 4187-4197

Impact Factor: 2.496 | **Quartile:** 2 | **Citations:** 58

DOI: 10.1007/s00170-017-1077-4

Optimum machine capabilities for reconfigurable manufacturing systems

2018

Eram Asghar Aamer Ahmed Baqai Lazhar Homri Uzair Khaleeq uz Zaman

The International Journal of Advanced Manufacturing Technology, Pages 1–21, online published on 10 Jan 2018

Impact Factor: 2.496 | **Quartile:** 2 | **Citations:** 33

DOI: <https://doi.org/10.1007/s00170-017-1560-y>

Integrated product-process design to suggest appropriate manufacturing technology: a review

2017

Ali Siadat Mickael Rivette Aamer Ahmed Baqai Lihong Qiao Uzair Khaleeq uz Zaman

The International Journal of Advanced Manufacturing Technology, Volume: 91, Issue: 1-4, Pages: 1409-1430

Impact Factor: 2.601 | **Quartile:** 2 | **Citations:** 33

DOI: 10.1007/s00170-016-9765-z

Calculation and Analysis of Assembly Clearance based on Non-Ideal Surface Discrete Data

2017

Yue Li Lihong Qiao Ali Siadat Uzair Khaleeq uz Zaman

International Journal of Modeling, Simulation and Scientific Computing, Volume 8, Issue 2, 1750050, Pages 1-9

Conference Proceedings

Development and Evaluation of a Machine Learning Model for Cobot Action Prediction: Optimizing Algorithms Through Cognitive Workload Metrics

Dr.Yasir Ahmad Uzair Khaleeq Uz Zaman Afshan Naseem Mohsin Islam Tiwana Lala Rukh

2024 International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)

Citations: N/A

DOI: 10.1109/ICRAI62391.2024.10894663

2024

Material Selection in Additive Manufacturing for Aerospace Applications using Multi-Criteria Decision Making

Muhammad Junaid Uzair Khaleeq uz Zaman Afshan Naseem Yasir Ahmad Anas Bin Aqeel

2nd International Conference on Modern Technologies in Mechanical & Material Engineering, res.country(177,)

Citations: N/A

DOI: <https://doi.org/10.1051/mateconf/202439801012>

2024

Design and Development of Power Generation System for Thermo-Acoustically Driven Devices

Muhammad Zeeshan Ur Rehman Uzair Khaleeq uz Zaman Abdur Rehman Mazhar Umar Nawaz Bhatti Kanwal Naveed

2nd International Conference on Modern Technologies in Mechanical & Materials Engineering (MTME-2024), res.country(177,)

Citations: N/A

DOI: 10.1051/mateconf/202439801010

2024

Erosion of pipe bends for multiphase flow: An Overview

Muhammad Abdullah Muhammad Rehan Khan Uzair Khaleeq uz Zaman Bilal Anjum Muhammad Ali Khan Abdur Rehman Mazhar

2023 6th International Conference on Energy Conservation and Efficiency (ICECE), res.country(177,)

Citations: N/A

DOI: 10.1109/ICECE58062.2023.10092492

2023

Solar Panels Efficiency Improvement Through Orientation Monitoring by Non Contact Method using TMR Sensor

Saeed Iqbal Sehrish Shahnawaz Uzair Khaleeq uz Zaman Yasmeen Mohsen Mohamed Ali Elsabagh Yasar Ayaz Muhammad Jawad Khan

2023 3rd International Conference on Artificial Intelligence (ICAI), res.country(177,)

Citations: N/A

DOI: 10.1109/ICAI58407.2023.10136650

2023

Predictive modeling of extruded filament in the air for bioink in direct ink writing using numerical simulation

Yongqiang Tu Alaa Hassan Javier A. Arrieta-Escobar Uzair Khaleeq uz Zaman Fangkai Xue Ali Siadat Gongliu Yang

15th CIRP Conference on Intelligent Computation in Manufacturing Engineering, res.country(109,)

Citations: N/A

DOI: <https://doi.org/10.1016/j.procir.2022.09.026>

2022

Development of Reciprocating Inkjet System for Printed Electronic Devices

Shahid Aziz Uzair Khaleeq uz Zaman Abdur Rehman Mazhar Junaid Ali Dong Won Jung

55th CIRP Conference on Manufacturing Systems 2022, res.country(43,)

Citations: N/A

DOI: 10.1016/j.procir.2022.05.085

2022

Role of Non-functional Requirements in projects' success

Arsalan Ali Ibrahim Khalil Israr Ahmed Iqra Parveen Uzair Khaleeq uz Zaman

2022 2nd International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)

Citations: N/A

DOI: 10.1109/ICoDT255437.2022.9787463

2022

Integrated Product-Process Design: Conceptual Framework for Data Driven Manufacturing Resource Selection

Uzair Khaleeq uz Zaman Mujtaba Rafique Ghoto Ali Siadat Aamer Ahmed Baqai Anas Bin Aqeel Usman Qamar

2022 2nd International Conference on Digital Futures and Transformative Technologies (IcoDT2), res.country(177,)

Citations: N/A

DOI: 10.1109/ICoDT255437.2022.9787394

2022

Design and Development of Motor Controller and Electronic Differential System for Electric Vehicle Conversion	2021
<i>Uzair Khaleeq uz Zaman Umar Shahbaz Khan Anas Bin Aqeel Ayesha Zeb Syed Hassan Ali Usama Athar Elizay Jehangir Muhammad Mubasher Saif</i> 2021 International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)	
Citations: N/A	
DOI: 10.1109/ICRAI54018.2021.9651444	
Development of Automated Guided Vehicle for Warehouse Automation of a Textile Factory	2021
<i>Uzair Khaleeq uz Zaman Anas Bin Aqeel Kanwal Naveed Usman Asad Hassan Nawaz Muhammad Gufran</i> 2021 International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)	
Citations: N/A	
DOI: 10.1109/ICRAI54018.2021.9651360	
Overcoming Uncertainties and Disturbances: An Adaptive Control Approach for Mobile Robots	2021
<i>Kanwal Naveed Uzair Khaleeq Zaman Atal Anil Kumar</i> 2021 IEEE 17th International Conference on Automation Science and Engineering (CASE), res.country(75,)	
Citations: N/A	
DOI: 10.1109/CASE49439.2021.9551520	
Tuning of PID Controller Using Whale Optimization Algorithm for Different Systems	2021
<i>Uzair Khaleeq uz Zaman Kanwal Naveed Atal Anil Kumar</i> 2021 International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)	
Citations: N/A	
DOI: 10.1109/ICoDT252288.2021.9441526	
An RPLiDAR based SLAM equipped with IMU for Autonomous Navigation of Wheeled Mobile Robot	2020
<i>Muhammad Saad Aslam Muhammad Irfan Aziz Kanwal Naveed Uzair Khaleeq uz Zaman</i> 2020 IEEE 23rd International Multitopic Conference (INMIC), res.country(177,)	
Citations: N/A	
DOI: 10.1109/INMIC50486.2020.9318133	
Kinematic Analysis of Pitch Angle for the Platform of a Shrimp Rover in an Unstructured Terrain	2020
<i>Uzair Khaleeq uz Zaman Usman Asad Uzair Khaleeq uz Zaman Usman Asad Sehrish Shahnawaz Raja Amer Azim Uzair Khaleeq uz Zaman Usman Asad</i> 6th International Conference on Control, Automation and Robotics (ICCAR), res.country(197,)	
Citations: N/A	
DOI: 10.1109/ICCAR49639.2020.9108060	
Integrated Design-Oriented Framework for Resource Selection in Additive Manufacturing	2018
<i>Uzair Khaleeq Uz Zaman Mickael Rivette Aamer Ahmed Baqai</i> 28th CIRP Design Conference, res.country(75,)	
Citations: N/A	
DOI: 10.1016/j.procir.2018.02.039	
Performance of NSGA-II and WGA in Macro Level Process Planning Considering Reconfigurable Manufacturing System	2015
<i>Eram Asghar Aamer Ahmed Baqai Uzair Khaleeq uz Zaman</i> International Conference on Flexible Automation and Intelligent Manufacturing, res.country(231,)	
Citations: N/A	
DOI: N/A	
Global Sequence Generation and Minimizing the Total Utility Work for Mixed Model Assembly Lines	2015
<i>Amjad Baig Aamer Ahmed Baqai Uzair Khaleeq uz Zaman</i> 25th International Conference on Flexible Automation and Intelligent Manufacturing FAIM 2015, res.country(231,)	
Citations: N/A	
DOI: https://www.researchgate.net/publication/320183172_Global_Sequence_Generation_and_Minimizing_the_Total_Utility_Work_for_Mixed_Model_Assembly_Lines	
Mixed Model Assembly Line sequencing by Minimizing Utility Work and Using Genetic Algorithm	2014
<i>Uzair Khaleeq uz Zaman Aamer Ahmed Baqai</i> ASME 2014 International Mechanical Engineering Congress and Exposition IMECE2014, res.country(38,)	
Citations: N/A	
DOI: 10.1115/IMECE2014-38000	

Book Chapters

Atomic Force Microscopy based Micro and Nano Sidewall Imaging <i>DANISH HUSSAIN Saif Ullah Awan Masood Ur Rehman Uzair Khaleeq uz Zaman Xie Hui</i> In: <i>Book on Specialist Periodical Reports - Nanoscience</i> , Volume: 10, Chapter: 09, Pages: 202-234 Citations: N/A DOI: 10.1039/2049-355X	2024
Reverse Engineering: Past, Present, and Future Prospects <i>Anas Bin Aqeel Muhammad Irfan Aziz Uzair Khaleeq uz Zaman Nayyar Aafaq</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 16, 1st Edition, Pages:34 Citations: N/A DOI: 10.1201/9781003327523-19	2023
Internet of Things for Manufacturing Industry <i>Atal Anil Kumar Usman Qamar Kanwal Naveed Uzair Khaleeq uz Zaman</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 1, 1st Edition, Pages:10 Citations: N/A DOI: 10.1201/9781003327523-13	2023
Product Life Cycle Management and Cloud Manufacturing <i>Afshan Naseem Yasir Ahmad Uzair Khaleeq uz Zaman</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 12, 1st Edition, Pages:32 Citations: 1 DOI: 10.1201/9781003327523-14	2023
Inferential Modeling and Soft Sensors <i>Muhammad Asad Ullah Khalid Shahid Aziz Uzair Khaleeq uz Zaman</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 9, Pages:16 Citations: N/A DOI: 10.1201/9781003327523-11	2023
Quality 4.0 <i>Uzair Khaleeq uz Zaman</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 3, 1st Edition, Pages:19 Citations: N/A DOI: 10.1201/9781003327523-4	2023
Computer-Aided Design, Computer-Aided Process Planning, and Computer-Aided Manufacturing <i>Anas Bin Aqeel Uzair Khaleeq uz Zaman Shahid Aziz Aamer Ahmed Baqai</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 2, 1st Edition, Pages:20 Citations: 2 DOI: 10.1201/9781003327523-3	2023
Robotic Systems <i>Kanwal Naveed Uzair Khaleeq Uz Zaman</i> In: <i>Handbook of Manufacturing Systems and Design An Industry 4.0 Perspective</i> , Chapter 5, 1st Edition, Pages:21 Citations: N/A DOI: 10.1201/9781003327523-7	2023
Collaborative Robots <i>Atal Anil Kumar Uzair Khaleeq uz Zaman Peter Plapper</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 6, 1st Edition, Pages:17 Citations: 11 DOI: 10.1201/9781003327523-8	2023
Digital Twins in Smart Manufacturing <i>Shahid Aziz Dong Won Jung Uzair Khaleeq uz Zaman Anas Bin Aqeel</i> In: <i>Handbook of Manufacturing Systems and Design: An Industry 4.0 Perspective</i> , Chapter 4, 1st Edition, Pages:16 Citations: 2 DOI: 10.1201/9781003327523-6	2023
Dynamic Innovation Capabilities <i>Uzair Khaleeq uz Zaman Afshan Naseem</i> In: <i>Influencing Customer Demand: An Operations Management Approach</i> , 1st Edition, Chapter 9, Pages 157-181	2021

Editorial Activities

IEEE Open Journal of the Industrial Electronics Society	2025
Reviewed Papers for Journals	
Impact Factor: 5.2	
Journal of Intelligent & Fuzzy Systems	2025
Reviewed Papers for Journals	
Impact Factor: 1.2	
Advanced Engineering Materials	2025
Reviewed Papers for Journals	
Impact Factor: 3.3	
	2025
Reviewed Papers for Journals	
Impact Factor: 1.7	
Rapid Prototyping Journal	2025
Reviewed Papers for Journals	
Impact Factor: 3.8	
3D Printing and Additive Manufacturing	2024
Reviewed Papers for Journals	
Impact Factor: 2.3	
International Journal of Computer Integrated Manufacturing	2024
Reviewed Papers for Journals	
Impact Factor: 3.7	
International Journal of Computer Integrated Manufacturing	2024
Reviewed Papers for Journals	
Impact Factor: 4.1	
International Journal of Production Research	2024
Reviewed Papers for Journals	
Impact Factor: 9.2	
International Journal of Production Research	2024
Reviewed Papers for Journals	
Impact Factor: 9.2	
Taylor & Francis	2023
Edited Journal Issue / Proceeding / Book	
Impact Factor: N/A	
Applied Sciences	2023
Reviewed Papers for Journals	
Impact Factor: 2.7	
International Journal of Production Research	2023
Reviewed Papers for Journals	
Impact Factor: 9.22	
Processes	2023
Reviewed Papers for Journals	
Impact Factor: 3.352	
Proceedings of the Institution of Mechanical Engineers, Part D	2023
Reviewed Papers for Journals	
Impact Factor: 1.828	
International Journal of Precision Engineering and Manufacturing	2023
Reviewed Papers for Journals	
Impact Factor: 2.041	
Strojniski Vestnik-Journal of Mechanical Engineering	2022

Reviewed Papers for Journals	
Impact Factor: 1.554	
Sustainability	2022
Reviewed Papers for Journals	
Impact Factor: 3.889	
Healthcare	2022
Reviewed Papers for Journals	
Impact Factor: 3.160	
Smart and Sustainable Manufacturing Systems	2022
Reviewed Papers for Journals	
Impact Factor: N/A	
World Journal of Engineering	2022
Reviewed Papers for Journals	
Impact Factor: N/A	
Sustainability	2022
Reviewed Papers for Journals	
Impact Factor: 3.889	
Processes	2022
Reviewed Papers for Journals	
Impact Factor: 3.352	
	2022
Reviewed Papers for Journals	
Impact Factor: 2.899	
	2022
Reviewed Papers for Journals	
Impact Factor: 2.106	
	2022
Reviewed Papers for Journals	
Impact Factor: 8.568	
	2022
Reviewed Papers for Journals	
Impact Factor: N/A	
	2022
Reviewed Papers for Journals	
Impact Factor: 3.226	
	2021
Reviewed Papers for Journals	
Impact Factor: 2.106	
	2021
Reviewed Papers for Journals	
Impact Factor: 3.226	
	2021
Reviewed Papers for Journals	
Impact Factor: 8.568	
	2021
Reviewed Papers for Journals	
Impact Factor: 1.412	
	2021
Reviewed Papers for Journals	
Impact Factor: 2.106	
	2021
Reviewed Papers for Journals	
Impact Factor: 2.633	

Reviewed Papers for Journals Impact Factor: 3.226	2021
Reviewed Papers for Journals Impact Factor: 2.633	2021
Reviewed Papers for Journals Impact Factor: 2.633	2021
Reviewed Papers for Journals Impact Factor: 4.577	2021
Reviewed Papers for Journals Impact Factor: 2.633	2021
Reviewed Papers for Journals Impact Factor: 2.633	2021
Reviewed Papers for Journals Impact Factor: 2.633	2021
Reviewed Papers for Journals Impact Factor: 2.633	2020
Reviewed Papers for Journals Impact Factor: 4.577	2020
Reviewed Papers for Journals Impact Factor: 2.633	2020
Reviewed Papers for Journals Impact Factor: 1.378	2020
Reviewed Papers for Journals Impact Factor: 2.601	2020
Reviewed Papers for Journals Impact Factor: 2.601	2020
Reviewed Papers for Journals Impact Factor: 2.601	2020
Reviewed Papers for Journals Impact Factor: 2.633	2020
Reviewed Papers for Journals Impact Factor: 2.633	2020
Reviewed Papers for Journals Impact Factor: 3.199	2020
Reviewed Papers for Journals	2020

Impact Factor: 2.496	
Reviewed Papers for Journals	2020
Impact Factor: 1.779	
Reviewed Papers for Journals	2020
Impact Factor: 2.601	
Reviewed Papers for Journals	2020
Impact Factor: 2.496	
Reviewed Papers for Journals	2020
Impact Factor: 4.577	
Reviewed Papers for Journals	2020
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Reviewed Papers for Journals	2019
Impact Factor: 1.779	
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Reviewed Papers for Journals	2019
Impact Factor: 3.199	
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Impact Factor: 2.496	
Reviewed Papers for Journals	2019
Impact Factor: 2.496	
Reviewed Papers for Journals	2019
Impact Factor: 1.661	
Reviewed Papers for Journals	2019
Impact Factor: 2.09	
Reviewed Papers for Journals	2018
Impact Factor: 2.601	
Reviewed Papers for Journals	2018
Impact Factor: 2.601	
Reviewed Papers for Journals	2018

Impact Factor: 2.601	
Reviewed Papers for Journals	2018
Impact Factor: 2.601	
Reviewed Papers for Journals	2018
Impact Factor: 2.601	
Reviewed Papers for Journals	2018
Impact Factor: 2.601	
Reviewed Papers for Journals	2018
Impact Factor: 0.35	
Reviewed Papers for Journals	2017
Impact Factor: 2.601	
Reviewed Papers for Journals	2017
Impact Factor: 2.601	
Reviewed Papers for Journals	2017
Impact Factor: 2.601	
Reviewed Papers for Journals	2017
Impact Factor: 2.601	

Intellectual Property

Copyrights

Patents

Industrial Designs

High maneuverability agricultural robot with individual wheel steering	2024
Status: Filed	
Flexible Mobile Automated Guided Vehicle Platform	2021
Status: Filed	
Flexible and multipurpose mobile agribot platform (Class-01)	2020
Status: Filed	
Inclined concentric quadrupole magnetic actuators for targeted drug delivery	2019
Status: Granted Filed	

Trademarks