

Muhammad Imran

Assistant Professor

NUST Business School

Email: muhammad.imran@nbs.nust.edu.pk

Contact: 3052410585

LinkedIn: <https://www.linkedin.com/in/muhammad-imran-2a970b21/>



About

Dr. Muhammad Imran is working as Assistant Professor in the NUST Business School. Dr. Muhammad Imran has a PhD in Operations and Supply Chain Management. Dr. Muhammad Imran has published 21 research articles & conference papers having a citation count of 583, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Operations and Supply Chain Management Hanyang University , South Korea	2016 - 2019
M.E in Operation Management UET Taxila , Pakistan	2013 - 2015
BE in Industrial Engineering UET Lahore , Pakistan	2009 - 2013

Experience

Assistant Professor NUST Business School	2023- Present
Assistant Professor NUST Business School	2019 - 2023
Planning Engineer Hansa Leather Garment , Bajwat Road Sialkot, Pakistan	2015 - 2015
Research Assistant University of Engineering and technology Taxila , Taxila, Rawalpindi, Paksitan	2013 - 2015

Awards

Professional Memberships

PEC	Since 2014
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Industry Projects

National Projects	
Shifting of POL Products to Railways Client: Pakistan Railways Amount: PKR 1,750,000.00 Status: Approved_inprocess	2021

International Projects

Research Articles

Incorporating management opinion in green supplier selection model using quality function deployment and interactive fuzzy programming <i>Beenish Khan Khattak Afshan Naseem Mehran Ullah Muhammad Imran Sami El Ferik</i> <i>PLoS One</i> , Volume 17(6), Article Number e0268552 Impact Factor: 3.752 Quartile: 2 Citations: 14	2022
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DOI: https://doi.org/10.1371/journal.pone.0268552	
An inventory management for global supply chain through reworking of defective items having positive inventory level under multi-trade-credit-period <i>Waqas Ahmed Muhammad Jalees Muhammad Omair Zainab Mukhtar Muhammad Imran</i> <i>Annals of Operations Research</i> , Pages 1-28 Impact Factor: 4.854 Quartile: 1 Citations: 11 DOI: https://doi.org/10.1007/s10479-022-04646-y	2022
Multi-Objective Interval-Valued Neutrosophic Optimization with Application <i>Sumbal Khalil Sajida Kousar Gul Fareen Muhammad Imran</i> <i>International Journal of Fuzzy Systems</i> , Volume 24, Issue 3, Pages 1343-1355 Impact Factor: 4.085 Quartile: 2 Citations: 5 DOI: https://doi.org/10.1007/s40815-021-01192-w	2022
Customer Prioritization for Medical Supply Chain During COVID-19 Pandemic <i>Iram Mushtaq Muhammad Umer Inzamam Mashood Nasir Ghulam Muhammad Mohammad Shorfuazzaman Muhammad Imran</i> <i>CMC-Computers, Materials & Continua</i> , Volume 70, No.1, Pages 59-72 Impact Factor: 3.772 Quartile: 2 Citations: 12 DOI: 10.32604/cmc.2022.019337	2022
Power Distribution Network Expansion and Location Optimization of Additional Facilities: A Case Study <i>Urooj Javed Saif Ullah Muhammad Imran Asif Iqbal Malik Nokhaiz Tariq Khan</i> <i>Sustainability</i> , Volume 13(14), Article Number 7760 Impact Factor: 3.889 Quartile: 2 Citations: 2 DOI: https://doi.org/10.3390/su13147760	2021
Reverse logistics network design of e-waste management under the triple bottom line approach <i>Nimra Safdar Rabia Khalid Waqas Ahmed Muhammad Imran</i> <i>Journal of Cleaner Production</i> , Volume 272, Article Number 122662 Impact Factor: 9.297 Quartile: 1 Citations: 88 DOI: https://doi.org/10.1016/j.jclepro.2020.122662	2020
Simultaneous Customers and Supplier's Prioritization: An AHP-Based Fuzzy Inference Decision Support System (AHP-FIDSS) <i>Muhammad Imran Mujtaba Hassan Agha Waqas Ahmed Muhammad Babar Ramzan Biswajit Sarkar</i> <i>International Journal of Fuzzy Systems</i> , Pages 1-27 Impact Factor: 4.673 Quartile: 1 Citations: 23 DOI: https://doi.org/10.1007/s40815-020-00977-9	2020
Current trends analysis and prioritization of success factors: a systematic literature review of ICT projects <i>Muhammad Ayat Muhammad Imran Azmat Ullah Chang Wook Kang</i> <i>International Journal of Managing Projects in Business</i> , Pages 1-28 Impact Factor: 2.634 Quartile: 3 Citations: 35 DOI: 10.1108/IJMPB-02-2020-0075	2020
A robust possibilistic programming approach toward animal fat-based biodiesel supply chain network design under uncertain environment <i>Salman Habib Omar Asghar Amjad Hussain Pervaiz Mughal Biswajit Sarkar Muhammad Imran</i> <i>Journal of Cleaner Production</i> , Volume 278, Article Number 122403 Impact Factor: 9.297 Quartile: 1 Citations: 147 DOI: https://doi.org/10.1016/j.jclepro.2020.122403	2020
Inventory Routing Problem in Supply Chain of Perishable Products under Cost Uncertainty <i>Muhammad Imran Salman Habib Amjad Hussain Naveed Ahmed Abdulrahman M. Al-Ahmari</i> <i>Mathematics</i> , Volume 8, Issue 3, Article Number 382 Impact Factor: 2.258 Quartile: 1 Citations: 24 DOI: https://doi.org/10.3390/math8030382	2020
Multi-objective non-linear four-valued refined neutrosophic optimization <i>Gul Fareen Sajida Kousar Sunmbal Khalil Muhammad Imran</i> <i>Computational and Applied Mathematics</i> , Volume 39, issue 1, Article Number: 35 Impact Factor: 2.239 Quartile: 1	2020

- Stochastic-Petri Net Modeling and Optimization for Outdoor Patients in Building Sustainable Healthcare System Considering Staff Absenteeism** 2019
Chang Wook Kang Muhammad Imran Muhammad Omair Waqas Ahmed Misbah Ullah Biswajit Sarkar
Mathematics , Volume 7, Issue 6, Article Number 499
Impact Factor: 1.747 | **Quartile:** 1 | **Citations:** 24
DOI: 10.3390/math7060499
- Multi-objective optimisation for minimum quantity lubrication assisted milling process based on hybrid response surface methodology and multi-objective genetic algorithm** 2019
Jabir Mumtaz Muhammad Imran Zhang Li Lei Yu Mirza Jahanzaib Shoaib Sarfaraz Essam Shehab Sikiru Oluwarotimi Ismail Kainat Afzal
Advances in Mechanical Engineering , Volume 11, issue 4, Article Number 1687814019829588
Impact Factor: 1.161 | **Quartile:** 3 | **Citations:** 14
DOI: 10.1177/1687814019829588
- Effect of Time-Varying Factors on Optimal Combination of Quality Inspectors for Offline Inspection Station** 2019
Muhammad Babar Ramzan Sheharyar Mohsin Qureshi Sonia Irshad Mari Saad Memon Mandeep Mittal Muhammad Imran Muhammad Waqas Iqbal
Mathematics , Volume 7, Issue 1, Article Number 51
Impact Factor: 1.747 | **Quartile:** 1 | **Citations:** 9
DOI: 10.3390/math7010051
- Effect of inspection performance in smart manufacturing system based on human quality control system** 2018
Chang Wook Kang Muhammad Babar Ramzan Biswajit Sarkar Muhammad Imran
International Journal of Advanced Manufacturing Technology , Volume 94, Issue 9–12, Pages 4351–4364
Impact Factor: 2.496 | **Quartile:** 2 | **Citations:** 60
DOI: 10.1007/s00170-017-1069-4
- Medicine supply chain model for an integrated healthcare system with uncertain product complaints** 2018
Muhammad Imran Changwook Kang Muhammad Babar Ramzan
Journal of Manufacturing Systems , Volume 46, January 2018, Pages 13-28
Impact Factor: 3.642 | **Quartile:** 1 | **Citations:** 44
DOI: 10.1016/j.jmsy.2017.10.006
- A Synchronized Job Assignment Model for Manual Assembly Lines Using Multi-Objective Simulation Integrated Hybrid Genetic Algorithm (MO-SHGA)** 2017
Muhammad Imran Changwook Kang
Journal of society of Korea industrial and systems engineering , Volume 40, Issue no 4, Pages 211-220
Impact Factor: 0
DOI: 10.11627/jkise.2017.40.4.211
- MACHINE LEARNING TECHNIQUES FOR THE EVALUATION OF EFFICIENCY OF THE SOFTWARE RELIABILITY GROWTH MODELS** 2017
Omal Sahar Muhammad Ahsan Latif Muhammad Imran
Gomal University Journal of Research , Volume 33, Issue 1
Impact Factor: 0
DOI: -
- Cell formation in a cellular manufacturing system using simulation integrated hybrid genetic algorithm** 2017
Muhammad Imran Changwook Kang Young Hae Lee Mirza Jahanzaib Haris Aziz
Computers & Industrial Engineering , Volume 105, Pages 123-135
Impact Factor: 3.195 | **Quartile:** 1 | **Citations:** 71
DOI: 10.1016/j.cie.2016.12.028
- Minimization of Intercellular Movements in Cellular Manufacturing System Using Genetic Algorithm** 2014
Muhammad Imran Neelum Iqbal Mirza Jahanzaib
Technical Journal: University of Engineering and Technology , Volume 19, Issue 2
Impact Factor: -
DOI: -

Conference Proceedings

Flexible cell formation and scheduling of robotics coordinated dynamic cellular manufacturing system: A gateway to industry 4.0	2019
Abdul Saboor Muhammad Imran Mujtaba Hassan Agha Waqas Ahmed	
International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)	
Citations: N/A	
DOI: 10.1109/ICRAI47710.2019.8967369	

Editorial Activities

Reviewed Papers for Journals	2020
Reviewed Papers for Journals	2020
Reviewed Papers for Journals	2020
Reviewed Papers for Journals	2020
Reviewed Papers for Journals	2020