

Rai Waqas Azfar Khan

Defence Faculty
Military College of Engineering

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About

Dr. Rai Waqas Azfar Khan is working as Defence Faculty in the Military College of Engineering. Dr. Rai Waqas Azfar Khan has a PhD in Sustainable Supply Chain Management. Dr. Rai Waqas Azfar Khan has published 12 research articles & conference papers having a citation count of 178, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Sustainable Supply Chain Management 2009 - 2017
University of Veterinary & Animal Science , Pakistan

Experience

Defence Faculty 2023- Present
Military College of Engineering

Defence Faculty 2015 - 2015
Military College of Engineering

Proj Manager / Consultant / Te 1998 - 2015
Army / DDC / NUST , CE-Wing, MCE, NUST, Risalpur

Awards

Scholarship 2009
NUST Mega S&T Scholarship

Professional Memberships

PEC Since 2009

Research Articles

Cooling load reduction strategies for community worship place towards attaining sustainability: a life cycle cost perspective 2025
Fatima Anwar Muhammad Sohail Anwar Malik Mughees Aslam Rai Waqas Azfar Khan
International Journal of Life Cycle Assessment, Volume:30, Pages:301-317,
Impact Factor: 4.9 | Quartile: 1 | Citations: 1
DOI: <https://doi.org/10.1007/s11367-024-02393-9>

Exploring waste marble dust as an additive in cementitious grouts for semi-flexible pavement applications: Analysis and optimization using RSM 2024
Muhammad Nouman Khan Muhammad Imran Khan Jalal Habib Khan Sarfraz Ahmed Rai Waqas Azfar Khan
Construction and Building materials , Volume 411, Article Number 134554
Impact Factor: 7.4 | Quartile: 1 | Citations: 18
DOI: <https://doi.org/10.1016/j.conbuildmat.2023.134554>

Prediction of compressive strength of cementitious grouts for semi-flexible pavement application using machine learning approach 2023
Muhammad Imran Khan Nasir Khan Syed Roshan Zamir Hashmi Muhamad Razuhanafi Mat Yazid Nur Izzi Md Yusoff Rai Waqas Azfar Khan Mujahid Ali Roman Fediuk
Case Studies in Construction Materials , Volume 19, Article Number e02370
Impact Factor: 6.2 | Quartile: 2 | Citations: 12
DOI: <https://doi.org/10.1016/j.cscm.2023.e02370>

<p>Exploring Perceptions of the Adoption of Prefabricated Construction Technology in Pakistan Using the Technology Acceptance Model</p> <p><i>Rai Waqas Azfar Khwaja Mateen Mazher Basel Sultan Ahsen Maqsoom Shabir Hussain Khahro Zubair Ahmed Memon Muhammad Hamza Sustainability</i> , Volume 15, Issue 10, Article Number 8281</p> <p>Impact Factor: 3.889 Quartile: 2 Citations: 8</p> <p>DOI: 10.3390/su15108281</p>	2023
<p>Quantitative Analysis of Sustainable Use of Construction Materials for Supply Chain Integration and Construction Industry Performance through Structural Equation Modeling (SEM)</p> <p><i>Asad Kamal Rai Waqas Azfar Bashir Salah Waqas Saleem Muhammad Abas Razaullah Khan Catalin I. Pruncu Sustainability</i> , Volume 13(2), Article Number 522</p> <p>Impact Factor: 3.889 Quartile: 2 Citations: 17</p> <p>DOI: https://doi.org/10.3390/su13020522</p>	2021
<p>BIM-based claims management system: A centralized information repository for extension of time claims</p> <p><i>Babar Ali Hafiz Zahoor Ahmad Khan Abdur Rehman Nasir Ahsen Maqsoom Rai Waqas Azfar Khan Khwaja Mateen Mazher Automation in Construction</i> , Voume 110, Article Number 102937</p> <p>Impact Factor: 7.700 Quartile: 1 Citations: 72</p> <p>DOI: 10.1016/j.autcon.2019.102937</p>	2020
<p>Risk factors influencing the building projects in Pakistan: from perspective of contractors, clients and consultants</p> <p><i>Asad Kamal Muhammad Abas Dildar Khan Rai Waqas Azfar International Journal of Construction Management</i> , Pages 1-17</p> <p>Impact Factor: 0 Citations: 40</p> <p>DOI: DOI: 10.1080/15623599.2019.1683693</p>	2019
<p>Comparison of Sulphur and Zirconium Doped TiO2 Nanoparticles for H2S Gas Destruction</p> <p><i>Rai Waqas Azfar Khan Naeem Shahzad International Journal of Environmental Science and Development</i> , Volume 10, No. 9, Pages 266-269</p> <p>Impact Factor: 2.540 Quartile: 2</p> <p>DOI: doi: 10.18178/ijesd.2019.10.9.1185</p>	2019
<p>Lowering of Groundwater Table Around River Ravi in Lahore: Aggravated by Indus Water Treaty</p> <p><i>Naeem Shahzad Sadaf Mumtaz Rai Waqas Azfar Khan Australia and New Zealand Journal of Social Business, Environment and Sustainability</i> , Volume 4, Issue 2, Pages 65-72</p> <p>Impact Factor: -</p> <p>DOI: NA</p>	2018
<p>Application of Lean Agile Resilient Green Paradigm Framework on China Pakistan Economic Corridor: A Case Study</p> <p><i>Rai Waqas Azfar Khan Naeem Shahzad Sadaf Mumtaz Mehran University Research Journal of Engineering & Technology</i> , Volume 36, No. 3, Pages 521-534</p> <p>Impact Factor: -</p> <p>DOI: DOI: https://doi.org/10.22581/muet1982.1703.18</p>	2017
<p>Comparison of H2S gas destruction potential using TIO2 nanofibers and nanoparticles</p> <p><i>Naeem Shahzad Rai Waqas Azfar Environmental Science and Pollution Research</i> , Volume 24, Issue 2, Pages 1133-1136</p> <p>Impact Factor: 2.800 Quartile: 2 Citations: 4</p> <p>DOI: DOI:10.1007/s11356-016-7644-7</p>	2017