

Mughees Aslam

Defence Faculty  
NUST Balochistan Campus

Email: dean@nbc.nust.edu.pk  
Contact:



About

Dr. Mughees Aslam is working as Defence Faculty in the NUST Balochistan Campus. Dr. Mughees Aslam has a PhD in Construction Engineering and Management. Dr. Mughees Aslam has published 19 research articles & conference papers having a citation count of 212, carried out 0 projects and filed 0 intellectual property.

Qualifications

<b>PhD in Construction Engineering and Management</b> North Dakota State University , United States	2016 - 2021
<b>MS in Construction Engg Management</b> NUST, Islamabad , Pakistan	2011 - 2013
<b>BE in Civil Engineering</b> Military College Of Engineering Risalpur , Pakistan	1994 - 1997

Experience

<b>Defence Faculty</b> NUST Balochistan Campus	2024- Present
<b>Defence Faculty</b> Military College of Engineering	2024 - 2024
<b>Defence Faculty</b> Military College of Engineering	2021 - 2024
<b>Defence Faculty</b> Military College of Engineering	2016 - 2016
<b>Defence Faculty</b> Military College of Engineering	2015 - 2016

Research Articles

<b>Deconstructing construction wastes: Exploring waste generation causes and their impact on project performances</b> <i>Usman Aftab Mughees Aslam Aman Ul Haq Farrokh Jaleel Muhammad Sohail Anwar Malik Hafiz Zahoor Ahmad khan</i> <i>PLoS One</i> , Volume:20, Issue:5, Article Number e0322295 <b>Impact Factor:</b> 2.900   <b>Quartile:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.1371/journal.pone.0322295">https://doi.org/10.1371/journal.pone.0322295</a>	2025
<b>Smart IoT-enabled vehicle-mounted weighing system for real-time monitoring and quantification of loose construction materials</b> <i>Abeer Ahmad Jadoon Mughees Aslam Muhammad Sohail Anwar Malik Hamza Alam</i> <i>Engineering, Construction and Architectural Management</i> , Pages 1-22 <b>Impact Factor:</b> 3.600   <b>Quartile:</b> 1 <b>DOI:</b> 10.1108/ECAM-10-2024-1407	2025
<b>Cooling load reduction strategies for community worship place towards attaining sustainability: a life cycle cost perspective</b> <i>Fatima Anwar Muhammad Sohail Anwar Malik Mughees Aslam Rai Waqas Azfar Khan</i> <i>International Journal of Life Cycle Assessment</i> , Volume:30, Pages:301-317, <b>Impact Factor:</b> 4.9   <b>Quartile:</b> 1   <b>Citations:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.1007/s11367-024-02393-9">https://doi.org/10.1007/s11367-024-02393-9</a>	2025

<b>Mitigating schedule overruns in Pre-Stressed girder bridge Construction: Assessing risks and proposing mitigation strategies</b> <i>Mughees Aslam Edmund Baffoe-Twum</i> <i>Ain Shams Engineering Journal</i> , Vol:15, Issue: 05, Article Number:102673 <b>Impact Factor: 6.0   Quartile: 1</b> <b>DOI: 10.1016/j.asej.2024.102673</b>	2024
<b>Unveiling Effectiveness of Lean Construction Practices: A Comprehensive Study through Surveys and Case Studies</b> <i>Mughees Aslam Edmund Baffoe-Twum Muhammad Ahmed Aman Ul Haq</i> <i>Civil Engineering Journal</i> , Volume 10, No. 04, Pages:04 <b>Impact Factor: 4.300   Quartile: 1</b> <b>DOI: 10.28991/CEJ-2024-010-04-09</b>	2024
<b>Benchmarking lean construction conformance in Pakistan's construction industry</b> <i>Mughees Aslam Edmund Baffoe-Twum Sohail Malik</i> <i>Engineering, Construction and Architectural Management</i> , Volume: 31, Issue: 5, Pages:2077-2100 <b>Impact Factor: 3.6   Quartile: 1   Citations: 3</b> <b>DOI: 10.1108/ECAM-11-2023-1125</b>	2024
<b>Development of Interpretative Structural Modelling (ISM) Based Lean Construction Implementation Framework</b> <i>Mughees Aslam Zhili Gao Gary Smith Ying Huang Megan Orr</i> <i>Lean Construction Journal</i> , Pages 105-129 <b>Impact Factor: N/A</b> <b>DOI: <a href="https://lean-construction-gcs.storage.googleapis.com/wp-content/uploads/2022/12/24145622/LCJ-21-007.pdf">https://lean-construction-gcs.storage.googleapis.com/wp-content/uploads/2022/12/24145622/LCJ-21-007.pdf</a></b>	2022
<b>Framework for selection of lean construction tools based on lean objectives and functionalities</b> <i>Mughees Aslam Zhili Gao Gary Smitha</i> <i>International Journal of Construction Management</i> , Volume 22, Issue 8, Pages 1559-1570 <b>Impact Factor: 3.90 (ESCI)   Citations: 33</b> <b>DOI: <a href="https://doi.org/10.1080/15623599.2020.1729933">https://doi.org/10.1080/15623599.2020.1729933</a></b>	2022
<b>Development of lean approaching sustainability tools (Last) matrix for achieving integrated lean and sustainable construction</b> <i>Mughees Aslam Zhili Gao Gary Smith</i> <i>Construction Economics and Building</i> , Volume 21, Issue 3, Pages 176-197 <b>Impact Factor: N/A   Citations: 7</b> <b>DOI: <a href="http://dx.doi.org/10.5130/AJCEB.v21i3.7653">http://dx.doi.org/10.5130/AJCEB.v21i3.7653</a></b>	2021
<b>Integrated implementation of Virtual Design and Construction (VDC) and lean project delivery system (LPDS)</b> <i>Mughees Aslam Zhili Gao Gary Smith</i> <i>Journal of Building Engineering</i> , Volume 39, Article Number 102252 <b>Impact Factor: 7.144   Quartile: 1   Citations: 36</b> <b>DOI: <a href="https://doi.org/10.1016/j.jobbe.2021.102252">https://doi.org/10.1016/j.jobbe.2021.102252</a></b>	2021
<b>Exploring factors for implementing lean construction for rapid initial successes in construction</b> <i>Mughees Aslam Zhili Gao Gary Smith</i> <i>Journal of Cleaner Production</i> , Volume 277, Article Number 123295 <b>Impact Factor: 9.297   Quartile: 1   Citations: 67</b> <b>DOI: <a href="https://doi.org/10.1016/j.jclepro.2020.123295">https://doi.org/10.1016/j.jclepro.2020.123295</a></b>	2020
<b>Development of Innovative Integrated Last Planner System (ILPS)</b> <i>Mughees Aslam Zhili Gao Gary Smith</i> <i>International Journal of Civil Engineering</i> , Volume 18, Issue 6, Pages 701-715 <b>Impact Factor: 2.081   Quartile: 3   Citations: 21</b> <b>DOI: <a href="https://doi.org/10.1007/s40999-020-00504-9">https://doi.org/10.1007/s40999-020-00504-9</a></b>	2020

- Obstructions in BIM Implementation for Developing Countries—A Mini-Review †** 2023  
*Usman Aftab Farooq Jalil Rafiq Mansoor Muhammad Haroon Mughees Aslam*  
*Engineering Proceedings* , res.country(177,)  
**Citations:** N/A  
**DOI:** 10.3390/engproc2023045026
- An Integration of BIM and GIS for Integrated Project Delivery** 2020  
*Zhili Gao Kenechukwu Ezekwem Mughees Aslam*  
*Construction Research Congress 2020* , res.country(233,)  
**Citations:** N/A  
**DOI:** <https://ascelibrary.org/doi/abs/10.1061/9780784482889.053>
- Strategies to Increase the Adoption Rate of Lean Construction** 2020  
*Zhili Gao Mughees Aslam Gary Smith*  
*56th Annual International Conference* , res.country(233,)  
**Citations:** N/A  
**DOI:** <https://doi.org/10.29007/8xzp>
- Analyzing Safety Training Needs of Construction Industry in Pakistan** 2013  
*Zeeshan Haider Rafiq M Choudhary Mughees Aslam*  
*Proceedings of the International Conference on Safety, Construction Engineering, and Project Management Issues, Challenges and Opportunities in Developing Countries* , res.country(177,)  
**Citations:** N/A  
**DOI:** Nil
- Measuring Lean Construction Conformance in Construction Industry in Pakistan** 2013  
*Mughees Aslam Rafiq M. Choudhry*  
*International Conference on Safety, Construction Engineering, and Project Management Issues, Challenges and Opportunities in Developing Countries*  
res.country(177,)  
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