

# Muhammad Jamaluddin Thaheem

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NUST Institute of Civil Engineering

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## About

Dr. Muhammad Jamaluddin Thaheem is working as Assistant Professor in the NUST Institute of Civil Engineering. Dr. Muhammad Jamaluddin Thaheem has a PhD in Project Risk Management. Dr. Muhammad Jamaluddin Thaheem has published 43 research articles & conference papers having a citation count of 1437, carried out 0 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Project Risk Management</b> Politecnico di Torino , Italy	2009 - 2014
<b>BE in Civil Engineering</b> Mehran University of Engineering & Technology , Pakistan	2001 - 2006
<b>F.Sc in Pre-Engineering</b> BISE, Hyderabad , Pakistan	1999 - 2001
<b>Matric (SSC) in Science Group</b> BISE, Hyderabad , Pakistan	1997 - 1999

## Experience

<b>Assistant Professor</b> NUST Institute of Civil Engineering	2023- Present
<b>Assistant Professor</b> NUST Institute of Civil Engineering	2019 - 2019
<b>Assistant Professor</b> NUST Institute of Civil Engineering.	2014 - 2019
<b>Assistant Professor</b> NUST Institute of Civil Engineering.	2014 - 2014
<b>Site Inspector</b> Scott Wilson Ltd , 38th Floor Metroplaza Tower 1, 223 Hing Fong Road, Kwai Fong, Hong Kong	2008 - 2009
<b>Assistant Engineer</b> Construction Advisory and Consultancy Services , E-9, Muhammad Ali Housing Society, Ghazi Salahuddin Road, Karachi	2006 - 2009

## Awards

<b>Best Teacher Award - SCEE</b> Best Teacher Award 2016-17 from the School of Civil and Environmental Engineering	2017
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## Research Articles

<b>BIM-based search and selection of construction material suppliers: a dedicated framework and prototype</b> <i>Muhammad Usman Hassan Fahim Ullah Abdur Rehman Nasir Muhammad Jamaluddin Thaheem Usman Aftab</i> <i>Construction Innovation</i> , Pages 1-24 <b>Impact Factor:</b> 3.100   <b>Quartile:</b> 2   <b>Citations:</b> 1 <b>DOI:</b> 10.1108/CI-06-2023-0136	2024
<b>Risk assessment of fast-track projects: a systems-based approach</b> <i>Nazia Rasul Muhammad Sohail Anwar Malik Muhammad Jamaluddin Thaheem Beenish Bakhtawar</i> <i>International Journal of Construction Management</i> , Volume 21, No. 11, Pages 1099–1114	2021

**Impact Factor:** 0 | **Citations:** 23  
**DOI:** 10.1080/15623599.2019.1602587

**Exploring Managerial Perspectives of Using Building Management System through TAM: An Empirical Study of Commercial Sector of Pakistan**

2020

Ahsen Maqsoom Jameel Ur Rehman Muhammad Umer Muhammad Jamaluddin Thaheem Majid Jamal Khan Adnan Nawaz Muhammad Najam Tahira Nazir  
*Periodica Polytechnica-Civil Engineering* , Volume 64(3), Pages 690–701

**Impact Factor:** 1.361 | **Quartile:** 4 | **Citations:** 6  
**DOI:** <https://doi.org/10.3311/PPci.15323>

**Influence of Perceived Fairness on Contractors' Potential to Dispute: Moderating Effect of Engineering Ethics**

2020

Ahsen Maqsoom Saifullah Jan Wazir Rafiq M. Choudhry Muhammad Jamaluddin Thaheem Hafiz Zahoor Ahmad khan  
*Journal of Construction Engineering and Management*, Volume 146 Issue 1, Article Number 04019090

**Impact Factor:** 3.951 | **Quartile:** 1 | **Citations:** 38  
**DOI:** [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001740](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001740)

**Exploring the role of building information modeling in construction safety through science mapping**

2019

Ramsha Akram Muhammad Jamaluddin Thaheem Abdur Rehman Nasir Tauha Hussain Ali Shamraiza Khan Ramsha Akram Tauha Hussain Ali Shamraiza Khan  
*Safety Science* , Volume 120, Pages 456-470

**Impact Factor:** 3.618 | **Quartile:** 1 | **Citations:** 82  
**DOI:** 10.1016/j.ssci.2019.07.036

**Managing risk in green building projects: toward a dedicated framework**

2019

Nida Javed Beenish Bakhtawar Abdur Rehman Nasir Khurram Iqbal Ahmad Khan Hamza Farooq Gabriel Muhammad Jamaluddin Thaheem  
*Smart and Sustainable Built Environment*, Pages 1-18

**Impact Factor:** N/A | **Citations:** 23  
**DOI:** 10.1108/SASBE-11-2018-0060

**Effect of stakeholder's conflicts on project constraints: a tale of the construction industry**

2019

Muhammad Irfan Muhammad Sohail Anwar Malik Abdur Rehman Nasir Muhammad Jamaluddin Thaheem Hamza Farooq Gabriel  
*International Journal of Conflict Management*, Volume 30, Issue No. 4, Pages 538-565

**Impact Factor:** 1.196 | **Quartile:** 2 | **Citations:** 29  
**DOI:** 10.1108/IJCMA-04-2019-0074

**Contingency Release During Project Execution: The Contractor's Decision-Making Dilemma**

2019

Bilal Ayub Fahim Ullah Bilal Ayub Muhammad Jamaluddin Thaheem Fahim Ullah  
*Project Management Journal*, Volume: 50, Issue: 6, Pages 734-748

**Impact Factor:** 2.506 | **Quartile:** 2 | **Citations:** 16  
**DOI:** 10.1177/8756972819848250

**Are LEED-certified healthcare buildings in the USA truly impacting sustainability?**

2019

Zeeshan Ullah Muhammad Jamaluddin Thaheem Abdul Waheed Ahsen Maqsoom Zeeshan Ullah Ahsen Maqsoom  
*Indoor and Built Environment*, -

**Impact Factor:** 1.900 | **Quartile:** 2 | **Citations:** 7  
**DOI:** 10.1177/1420326X19853324

**ASSESSMENT OF SOCIO-ECONOMIC PROFILE AND RESIDENTS' SATISFACTION LIVING IN APARTMENTS AND SINGLE UNIT HOUSES IN ISLAMABAD, PAKISTAN**

2019

Syeda Zainab Hassan Malik Asghar Naeem Abdul Waheed Muhammad Jamaluddin Thaheem  
*International Journal of Strategic Property Management*, Volume 23, Issue 5, pp 284-297

**Impact Factor:** 1.639 | **Quartile:** 4 | **Citations:** 7  
**DOI:** 10.3846/ijspm.2019.8067

**A Hybrid Tool for Visual Pollution Assessment in Urban Environments**

2019

Khydiya Wakil Malik Asghar Naeem Ghulam Abbas Anjum Abdul Waheed Muhammad Jamaluddin Thaheem Muhammad Qadeer ul Hussnain Raheel Nawaz  
*Sustainability* , Volume 11, Issue 8, Article Number 2211

**Impact Factor:** 2.576 | **Quartile:** 2 | **Citations:** 28  
**DOI:** 10.3390/su11082211

**Contractual Risks of Building Information Modeling: Toward a Standardized Legal Framework for Design-Bid-Build Projects**

2019

Muhammad Farhan Arshad Muhammad Jamaluddin Thaheem Abdur Rehman Nasir Muhammad Sohail Anwar Malik  
*Journal of Construction Engineering and Management*, Volume 145, Issue 4, Article Number 04019010

<b>Impact Factor: 2.734   Quartile: 2   Citations: 55</b> <b>DOI: 10.1061/(ASCE)CO.1943-7862.0001617</b>	
<b>System Dynamics Model to Determine Concession Period of PPP Infrastructure Projects: Overarching Effects of Critical Success Factors</b> <i>Fahim Ullah Samad M. E. Sepasgozar Nuria Forcada Muhammad Jamaluddin Thaheem</i> <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , Journal of Legal Affairs and Dispute Resolution in Engineering and Construction Volume: 10 Issue: 4 <b>Impact Factor: 0   Citations: 31</b> <b>DOI: 10.1061/(ASCE)LA.1943-4170.0000280</b>	2018
<b>Building information modeling as a risk transformer: An evolutionary insight into the project uncertainty</b> <i>ZubairAhmad Ahsen Maqsoom Muhammad Jamaluddin Thaheem</i> <i>Automation in Construction</i> , Volume 92, Pages 103-119 <b>Impact Factor: 4.313   Quartile: 1   Citations: 106</b> <b>DOI: 10.1016/j.autcon.2018.03.032</b>	2018
<b>Best Value Contractor Selection in Road Construction Projects: ANP-Based Decision Support System</b> <i>Muhammad Hasnain Fahim Ullah Muhammad Jamaluddin Thaheem</i> <i>INTERNATIONAL JOURNAL OF CIVIL ENGINEERING</i> , Volume: 16 Issue: 6A Pages: 695-714 <b>Impact Factor: 0   Citations: 53</b> <b>DOI: 10.1007/s40999-017-0199-2</b>	2018
<b>Improving the risk quantification under behavioural tendencies: A tale of construction projects</b> <i>Muhammad Umer Farooq Husnain Arshad Muhammad Jamaluddin Thaheem</i> <i>International Journal of Project Management</i> , NULL <b>Impact Factor: 4.694   Quartile: 1   Citations: 52</b> <b>DOI: 10.1016/j.ijproman.2017.12.004</b>	2018
<b>Economic sustainability assessment of residential buildings: A dedicated assessment framework and implications for BIM</b> <i>Tayyab Ahmad Muhammad Jamaluddin Thaheem</i> <i>Sustainable Cities and Society</i> , Volume 38, Pages 476-491 <b>Impact Factor: 4.624   Quartile: 1   Citations: 80</b> <b>DOI: 10.1016/j.scs.2018.01.035</b>	2018
<b>Concession period of public private partnership projects: industry-academia gap analysis</b> <i>Fahim Ullah Muhammad Jamaluddin Thaheem</i> <i>International Journal of Construction Management</i> ,, Volume: 18 Issue: 5 Pages: 418-429 <b>Impact Factor: 0   Citations: 23</b> <b>DOI: 10.1080/15623599.2017.1333400</b>	2018
<b>Quantification of Material Wastage in Construction Industry of Pakistan: An Analytical Relationship between Building Types and Waste Generation</b> <i>Husnain Arshad Muhammad Qasim Muhammad Jamaluddin Thaheem Hamza Farooq Gabriel</i> <i>Journal of Construction in Developing Countries</i> , Volume 22(2), Pages 19–34 <b>Impact Factor: -   Citations: 34</b> <b>DOI: 10.21315/jcdc2017.22.2.2</b>	2017
<b>Life cycle sustainability assessment of electricity generation in Pakistan: Policy regime for a sustainable energy mix</b> <i>Muhammad Zeshan Akber Muhammad Jamaluddin Thaheem Husnain Arshad</i> <i>Energy Policy</i> , Volume 111, Pages 111-126 <b>Impact Factor: 4.039   Quartile: 1   Citations: 100</b> <b>DOI: https://doi.org/10.1016/j.enpol.2017.09.022</b>	2017
<b>Examining barriers and measures to promote the adoption of green building practices in Pakistan</b> <i>Sana Azeem Malik Asghar Naeem Abdul Waheed Muhammad Jamaluddin Thaheem</i> <i>Smart and Sustainable Built Environment</i> , Volume: 6, Issue: 3, Pages 86-100 <b>Impact Factor: 0   Citations: 75</b> <b>DOI: 10.1108/SASBE-06-2017-0023</b>	2017
<b>Empirical Evidence of Extension of Time in Construction Projects</b> <i>Dr. Hamza Farooq Gabriel Haroon Shabbar Fahim Ullah Bilal Ayub Muhammad Jamaluddin Thaheem</i> <i>ASCE Journal of Legal Affairs and Dispute Resolution in Engineering Construction</i> , Volume: 9, Issue: 3, Article Number: UNSP 04517008	2017

<b>Impact Factor: 0</b> <b>DOI: 10.1061/(ASCE)LA.1943-4170.0000217</b>	
<b>Labor Productivity Assessment Using Activity Analysis on Semi High-Rise Building Projects in Pakistan</b> <i>Noaman Akbar Sheikh Fahim Ullah Bilal Ayub Muhammad Jamaluddin Thaheem</i> <i>Engineering Journal</i> , Volume 21, Issue 4, Pages 273-286 <b>Impact Factor: 0   Citations: 14</b> <b>DOI: 10.4186/ej.2017.21.4.273</b>	2017
<b>Estimated Cost at Completion: Integrating Risk into Earned Value Management</b> <i>Suqrat Babar Muhammad Jamaluddin Thaheem Bilal Ayub</i> <i>Journal of Construction Engineering and Management</i> , Volume 143, Issue 3, <b>Impact Factor: 2.201   Quartile: 2   Citations: 53</b> <b>DOI: 10.1061/(ASCE)CO.1943-7862.0001245</b>	2017
<b>Influence of Six Sigma on Project Success in Construction Industry of Pakistan</b> <i>Fahim Ullah Muhammad Jamaluddin Thaheem Siddra Qayyum Siddiqui Dr. Muhammad Bilal Khurshid</i> <i>The TQM Journal</i> , Volume 29, No. 2, Pages 276-309 <b>Impact Factor: 0   Citations: 65</b> <b>DOI: 10.1108/TQM-11-2015-0136</b>	2017
<b>Developing a residential building-related social sustainability assessment framework and its implications for BIM</b> <i>Tayyab Ahmad Muhammad Jamaluddin Thaheem</i> <i>Sustainable Cities and Society</i> , Volume 28, Pages 1-15 <b>Impact Factor: 3.073   Quartile: 1   Citations: 116</b> <b>DOI: 10.1016/j.scs.2016.08.002</b>	2017
<b>FIDIC Conditions of Subcontract as a Model for General Conditions of Subcontract in Pakistan</b> <i>Muhammad Umer Zubair Hamza Farooq Gabriel Muhammad Jamaluddin Thaheem Dr. Muhammad Bilal Khurshid Ammara Mubeen</i> <i>Advances in Science, Technology and Engineering Systems</i> , Volume 1, Issue 6, Pages 5-13 <b>Impact Factor: N/A</b> <b>DOI: 10.25046/aj010602</b>	2016
<b>Critical External Risks in International Joint Ventures for Construction Industry in Pakistan</b> <i>Afia Razzaq Muhammad Jamaluddin Thaheem Ahsen Maqsoom Hamza Farooq Gabriel</i> <i>International Journal of Civil Engineering</i> , Volume 16, Issue 2A, Pages 189-205 <b>Impact Factor: 0.624   Quartile: 4   Citations: 52</b> <b>DOI: 10.1007/s40999-016-0117-z</b>	2016
<b>A review of public-private partnership: critical factors of concession period</b> <i>Fahim Ullah Bilal Ayub Siddra Qayyum Siddiqui Muhammad Jamaluddin Thaheem</i> <i>Journal of Financial Management of Property and Construction</i> , Vol.21, Issue 3, Pages 269-300 <b>Impact Factor: 0   Citations: 45</b> <b>DOI: 10.1108/JFMPC-02-2016-0011</b>	2016
<b>Use of offsite construction techniques in Pakistan</b> <i>Wajahat S. Ansari Muhammad Jamaluddin Thaheem Malik M. Khalfan</i> <i>Middle East Journal of Management</i> , Volume 3(3), Pages 218-229 <b>Impact Factor: -</b> <b>DOI: doi:http://dx.doi.org/10.1504/MEJM.2016.079745</b>	2016
<b>Six Sigma in construction: a review of critical success factors</b> <i>Siddra Qayyum Siddiqui Fahim Ullah Muhammad Jamaluddin Thaheem</i> <i>International Journal of Lean Six Sigma</i> , Vol.7, Issue 2, Pages 171-186 <b>Impact Factor: 0   Citations: 60</b> <b>DOI: http://dx.doi.org/10.1108/IJLSS-11-2015-0045</b>	2016
<b>Performance Assessment of Construction Engineering and Management (CEM) Degree Program in Developing Countries: Case of Pakistan</b> <i>Mian Hassan Naveed Muhammad Jamaluddin Thaheem Muhammad Bilal Khurshid Rizwan Ul Haque Farooqui</i> <i>International Journal of Construction Education and Research</i> , Volume 13, Issue 1, Pages 3-23 <b>Impact Factor: 0   Citations: 12</b> <b>DOI: 10.1080/15578771.2016.1183732</b>	2016

<b>Best Value Procurement in Construction and its Evolution in the 21st Century: A Systematic Review</b> <i>Muhammad Hasnain Muhammad Jamaluddin Thaheem</i> <i>Journal for the advancement of performance information and value</i> , Vol.8 (1), Pages 53-73 <b>Impact Factor:</b> 0 <b>DOI:</b> -	2016
<b>Developing a green-building design approach by selective use of systems and techniques</b> <i>Tayyab Ahmad Muhammad Jamaluddin Thaheem Amad Anwar</i> <i>Architectural Engineering and Design Management</i> , ISSN:1745-2007 (Print), ISSN:1752-7589 (Online), Volume 12, Issue 1, Pages 29-50, 2016, Volume 12, Issue 1, Pages 29-50 <b>Impact Factor:</b> 0   <b>Citations:</b> 89 <b>DOI:</b> DOI:10.1080/17452007.2015.1095709	2016
<b>Dynamic Management of Risk Contingency in Complex Design-Build Projects</b> <i>Alberto De Marco Carlo Rafele Muhammad Jamaluddin Thaheem</i> <i>Journal of Construction Engineering and Management</i> , Volume 142, Issue 2, Article Number 04015080 <b>Impact Factor:</b> 1.735   <b>Quartile:</b> 2   <b>Citations:</b> 61 <b>DOI:</b> 10.1061/(ASCE)CO.1943-7862.0001052	2016
<b>Conference Proceedings</b>	
<b>COMPARISON OF PERFORMANCE OF RAT TRAP BRICK BOND WITH THE CONVENTIONAL BRICK BOND</b> <i>Zeeshan Ullah Abdullah Khan Jamal Thaheem</i> <i>1st International Conference on High Performance Energy Efficient Buildings and Homes (HPEEBH 2018)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="https://www.researchgate.net/publication/326915020_Comparison_of_performance_of_rat_trap_brick_bond_with_the_conventional_brick_bond">https://www.researchgate.net/publication/326915020_Comparison_of_performance_of_rat_trap_brick_bond_with_the_conventional_brick_bond</a>	2018
<b>COMPARISON OF LEED CREDIT ACHIEVED BY CASE STUDY BUILDING BEFORE AND AFTER RETROFITTING</b> <i>Zeeshan Ullah Abdullah Khan Jamal Thaheem</i> <i>1st International Conference on High Performance Energy Efficient Buildings and Homes (HPEEBH 2018)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="https://www.researchgate.net/publication/326915014_Comparison_of_LEED_credit_achieved_by_case_study_building_before_and_after_retrofitting">https://www.researchgate.net/publication/326915014_Comparison_of_LEED_credit_achieved_by_case_study_building_before_and_after_retrofitting</a>	2018
<b>Managing Stakeholders in PPP Road Infrastructure Projects; A Strategic Approach</b> <i>Jamal Thaheem</i> <i>International Conference on Sustainable Development in Civil Engineering (ICSDC 2017)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> paper not published yet	2017
<b>Implementation of Lean Construction in Construction Industry of Pakistan: An Exploratory Study</b> <i>Jamal Thaheem</i> <i>International Conference on Sustainable Development in Civil Engineering (ICSDC 2017)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> paper not published yet	2017
<b>Field Skill Assessment of Civil Engineering Graduate: A case of Pakistan</b> <i>Jamal Thaheem</i> <i>International Conference on Sustainable Development in Civil Engineering (ICSDC 2017)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> paper not published yet	2017
<b>Facilities Mapping Using BIM and Augmented Reality: Findings of a Case Study</b> <i>Jamal Thaheem</i> <i>International Conference on Sustainable Development in Civil Engineering (ICSDC 2017)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> paper not published yet	2017
<b>State of the Published Literature on Material Waste in Buildings</b> <i>Jamal Thaheem</i> <i>International Conference on Sustainable Development in Civil Engineering (ICSDC 2017)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> paper not published yet	2017