

Wasim Khaliq

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About

Dr. Wasim Khaliq is working as Adjunct Faculty in the NUST Institute of Civil Engineering. Dr. Wasim Khaliq has published 41 research articles & conference papers having a citation count of 2328, carried out 0 projects and filed 0 intellectual property.

Qualifications

Experience

Adjunct Faculty	2020- Present
NUST Institute of Civil Engineering	
Adjunct Faculty	2017 - 2020
NUST Institute of Civil Engineering	
	- Present

Research Articles

Influence of recycled electronic waste fiber on the mechanical and durability characteristics of eco-friendly self-consolidating mortar incorporating recycled glass aggregate	2025
Panumas Saingam Burachat Chatveera Jutatip Roopchalaem Qudeer Hussain Ali Ejaz Natt Makul Preeda Chaimahawan Gritsada Sua-iam Wasim Khaliq Case Studies in Construction Materials, Volume:22, Article Number: e04369, Pages:19	
Impact Factor: 6.5 Quartile: 1 Citations: 3	
DOI: https://doi.org/10.1016/j.cscm.2025.e04369	
Machine Learning and Regression Models for Evaluating Ultimate Performance of Cotton Rope-Confined Recycled Aggregate Concrete	2024
Kittipoom Rodsin Ali Ejaz Huaping Wang Panumas Saingam Panuwat Joyklad Wasim Khaliq Qudeer Hussain Chichaya Boonmee Buildings , Volume: 15, Issue: 1, Article Number: 64, Pages:26	
Impact Factor: 3.1 Quartile: 2 Citations: 2	
DOI: https://doi.org/10.3390/buildings15010064	
Shielding Encapsulation to Enhance Fire Endurance of Phase Change Materials in Energy-Efficient Concrete	2023
Wasim Khaliq Rao Arsalan Khushnood Muhammad Rizwan Muhammad Farhan Saleem Hassan Sardar Fire Technology , Volume 59, Issue 4, Pages 1697-1723	
Impact Factor: 3.4 Quartile: 2 Citations: 5	
DOI: https://doi.org/10.1007/s10694-023-01404-9	
Influence of pyrolytic waste tire residue on the residual performance of high strength concrete exposed to elevated temperatures	2022
Hassan Sardar Rao Arsalan Khushnood Wasim Khaliq Hammad Anis Khan Muhammad Farhan Saleem Journal of Building Engineering , Volume 54, Article Number 104657	
Impact Factor: 7.144 Quartile: 1 Citations: 16	
DOI: https://doi.org/10.1016/j.jobe.2022.104657	
Synthesis of pyrolytic carbonized bagasse to immobilize Bacillus subtilis; application in healing micro-cracks and fracture properties of concrete	2022
Rao Arslan Khushnood Maria Kanwal Abdul Ghafar Wattoo Wasim Khaliq Tauseef Shahid Cement and Concrete Composites , Volume 126, Article Number 104334	
Impact Factor: 7.586 Quartile: 1 Citations: 57	
DOI: 10.1016/j.cemconcomp.2021.104334	

Comparative seismic performance assessment of RC and RC/ECC hybrid frame structures: a shake table study <i>Fasih Ahmed Khan Muhammad Rashid Sajjad Wali Khan Muhammad Rizwan Yasir Irfan Badrashi Muhammad Fahim Muhammad Ashraf Tanoli Wasim Khaliq Akhtar Gul</i> <i>Innovative Infrastructure Solutions</i> , Volume 7, Issue 1, Article Number 94 Impact Factor: N/A Citations: 13 DOI: 10.1007/s41062-021-00692-w	2022
Restorability of strength and stiffness of fire damaged concrete using various composite confinement techniques <i>M. Usman M. Yaqub M. Uzair Wasim Khaliq M. Noman A. Afaq</i> <i>Construction and Building Materials</i> , Volume 272, Article Number 121984 Impact Factor: 7.43 Quartile: 1 Citations: 27 DOI: https://doi.org/10.1016/j.conbuildmat.2020.121984	2021
Performance evaluation for energy efficiency attainment in buildings based on orientation, temperature, and humidity parameters <i>Wasim Khaliq Umaid Bin Mansoor</i> <i>Intelligent Buildings International</i> , Pages 1-17 Impact Factor: 0 Citations: 6 DOI: https://doi.org/10.1080/17508975.2021.1873096	2021
Comparative performance of different bacteria immobilized in natural fibers for self-healing in concrete <i>Momina Rauf Wasim Khaliq Rao Arsalan Khushnood Ittikhar Ahmed</i> <i>Construction and Building Materials</i> , Volume 258, Article Number 119578 Impact Factor: 6.141 Quartile: 1 Citations: 142 DOI: https://doi.org/10.1016/j.conbuildmat.2020.119578	2020
Analysis of full-scale aircraft impact to reinforced concrete and steel plate reinforced concrete multiple barriers protecting nuclear power plants <i>Muhammad Sadiq Wasim Khaliq Rao Arsalan Khushnood Shaukat Ali Khan Pan Rong Pan Rong Muhammad Ilyas</i> <i>Structures</i> , Volume 27, Pages 732-746 Impact Factor: 2.983 Quartile: 2 Citations: 10 DOI: https://doi.org/10.1016/j.istruc.2020.06.030	2020
Comparative assessment of impact analysis methods applied to large commercial aircraft crash on reinforced concrete containment <i>Muhammad Sadiq Muhammad Ilyas Shaukat Ali Khan Pan Rong Wasim Khaliq Rao Arslalan Khushnood</i> <i>PLoS ONE</i> , Volume 15(10), Article Number e0237264 Impact Factor: 3.240 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1371/journal.pone.0237264	2020
Synthesis and characterization of bio-immobilized nano/micro inert and reactive additives for feasibility investigation in self-healing concrete <i>Nafeesa Shaheen Wasim Khaliq Habib Murtaza Rafay Iqbal Muhammad Humza Khan Rao Arsalan Khushnood</i> <i>Construction and Building Materials</i> , Volume 226, Pages 492-506 Impact Factor: 4.419 Quartile: 1 Citations: 100 DOI: 10.1016/j.conbuildmat.2019.07.202	2019
Effect of processed pozzolans on residual mechanical properties and macrostructure of high-strength concrete at elevated temperatures <i>Wasim Khaliq Abdul Mujeeb</i> <i>Structural Concrete</i> , Volume 20, Issue 1, Pages 307-317 Impact Factor: 2.174 Quartile: 2 Citations: 26 DOI: https://doi.org/10.1002/suco.201800074	2019
Influence of multi-walled carbon nanotubes on the residual performance of concrete exposed to high temperatures <i>Rao Arsalan Khushnood Waqas Latif Baloch Wasim Khaliq</i> <i>Construction and Building Materials</i> , Construction and Building Materials Volume: 185 Pages: 44-56 Impact Factor: 4.046 Quartile: 1 Citations: 128 DOI: 10.1016/j.conbuildmat.2018.07.051	2018
High-Temperature Residual Strength and Microstructure in Air-Entrained High-Strength Concrete <i>Rao Arsalan Khushnood Farhan Waheed Wasim Khaliq</i>	2018

<i>ACI Materials Journal</i> , Volume 115, Issue 3, Pages 425-435	
Impact Factor: 1.453 Quartile: 3 Citations: 16	
DOI: 10.14359/51702037	
Mechanical and physical response of recycled aggregates high-strength concrete at elevated temperatures	2018
<i>Wasim Khaliq Taimur</i>	
<i>Fire Safety Journal</i> , Volume 96, Pages 203-214	
Impact Factor: 1.659 Quartile: 2 Citations: 129	
DOI: https://doi.org/10.1016/j.firesaf.2018.01.009	
Effectiveness of Polypropylene and Steel Fibers in Enhancing Fire Resistance of High-Strength Concrete Columns	2018
<i>Wasim Khaliq Venkatesh Kodur</i>	
<i>Journal of Structural Engineering</i> , Volume:144, Issue: 3, Article Number:04017224	
Impact Factor: 2.528 Quartile: 2 Citations: 69	
DOI: 10.1061/(ASCE)ST.1943-541X.0001981	
Shear capacity of cold-formed light-gauge steel framed shear-wall panels with fiber cement board sheathing	2017
<i>Wasim Khaliq Ahmed Moghis</i>	
<i>International Journal of Steel Structures</i> , Volume: 17, Issue: 4, Pages: 1404-1414	
Impact Factor: 0.734 Quartile: 4 Citations: 16	
DOI: DOI:10.1007/s13296-017-1211-z	
Mechanical response and spalling sensitivity of air entrained high-strength concrete at elevated temperatures	2017
<i>Wasim Khaliq Farhan Waheed</i>	
<i>Construction and Building Materials</i> , Volume 150, Pages 747-757	
Impact Factor: 3.485 Quartile: 1 Citations: 63	
DOI: https://doi.org/10.1016/j.conbuildmat.2017.06.039	
Efficiency Comparison of Conventional and Unconventional Curing Methods in Concrete	2017
<i>Wasim Khaliq Waqas Javaid</i>	
<i>ACI Materials Journal</i> , Volume 114, Issue 02, Pages 285-294	
Impact Factor: 1.252 Quartile: 3	
DOI: DOI:10.14359/51689564	
High temperature mechanical and material properties of burnt masonry bricks	2016
<i>Wasim Khaliq Muhammad Farrukh Bashir</i>	
<i>Materials and Structures</i> , Volume 49, Pages 5195–5208	
Impact Factor: 2.607 Quartile: 1 Citations: 16	
DOI: DOI:10.1617/s11527-016-0854-0	
Immobilization in cement mortar of chromium removed from water using titania nanoparticles	2016
<i>Ishtiaq Ahmed Qazi Muhammad Arshad Wasim Khaliq Ahmed Husnain</i>	
<i>Journal of Environmental Management</i> , Volume 172, Pages 10-17	
Impact Factor: 4.010 Quartile: 1 Citations: 23	
DOI: 10.1016/j.jenvman.2016.02.026	
Crack healing in concrete using various bio influenced self-healing techniques	2016
<i>Wasim Khaliq Muhammad Basit Ehsan</i>	
<i>Construction and Building Materials</i> , Volume 102, Part 1, Pages 349-357	
Impact Factor: 3.169 Quartile: 1 Citations: 544	
DOI: doi:10.1016/j.conbuildmat.2015.11.006	
High temperature material properties of calcium aluminate cement concrete	2015
<i>Wasim Khaliq Hammad Anis Khan</i>	
<i>Construction and Building Materials</i> , Volume 94, Pages 475-487	
Impact Factor: 2.421 Quartile: 1 Citations: 183	
DOI: 10.1016/j.conbuildmat.2015.07.023	
Simplified approach for evaluating residual strength of fire-exposed reinforced concrete columns	2013
<i>Venkatesh Kodur Nikhil Raut X. Y. Mao Wasim Khaliq</i>	
<i>Materials and Structures</i> , Volume 46, Issue 12, Pages 2059-2075	

Impact Factor: 1.390 Quartile: 1 Citations: 94 DOI: 10.1617/s11527-013-0036-2	
An approach to account for tie configuration in predicting fire resistance of reinforced concrete columns <i>Venkatesh Kodur Wasim Khaliq Nikhil Raut</i> <i>Engineering Structures</i> , Volume 56, Pages 1976-1985 Impact Factor: 1.767 Quartile: 1 Citations: 22 DOI: https://doi.org/10.1016/j.engstruct.2013.08.023	2013
Behavior of high strength fly ash concrete columns under fire conditions <i>Wasim Khaliq Venkatesh Kodur</i> <i>Materials and Structures</i> , Volume 46, Issue 5, Pages 857-867 Impact Factor: 1.390 Quartile: 1 Citations: 35 DOI: 10.1617/s11527-012-9938-7	2013
High Temperature Mechanical Properties of High-Strength Fly Ash Concrete with and without Fibers <i>Venkatesh Kodur Wasim Khaliq</i> <i>ACI Materials Journal</i> , Volume 109, Issue 6, Pages 665-674 Impact Factor: 0.826 Quartile: 2 DOI: https://www.concrete.org/publications/internationalconcreteabstractsportal.aspx?m=details&id=51684164	2012
Thermal and mechanical properties of fiber reinforced high performance self-consolidating concrete at elevated temperatures <i>Wasim Khaliq Venkatesh Kodur</i> <i>Cement and Concrete Research</i> , Volume 41, Issue 11, Pages 1112-1122 Impact Factor: 2.781 Quartile: 1 Citations: 322 DOI: https://doi.org/10.1016/j.cemconres.2011.06.012	2011
Effect of High Temperature on Tensile Strength of Different Types of High-Strength Concrete <i>Wasim Khaliq Venkatesh Kodur</i> <i>ACI Materials Journal</i> , Volume 108, Issue 4, Pages 394-402 Impact Factor: 0.803 Quartile: 2 DOI: https://doi.org/10.14359/51683112	2011
Effect of Temperature on Thermal and Mechanical Properties of Steel Bolts <i>Venkatesh Kodur Sonali Kand Wasim Khaliq</i> <i>Journal of Materials in Civil Engineering</i> , Volume 24, Issue 6, Pages 765-774 Impact Factor: 0.733 Quartile: 2 Citations: 94 DOI: https://doi.org/10.1061/(ASCE)MT.1943-5533.0000445	2011
Effect of Temperature on Thermal Properties of Different Types of High-Strength Concrete <i>Venkatesh Kodur Wasim Khaliq</i> <i>Journal of Materials in Civil Engineering</i> , Volume 23, Issue 6, Pages 793-801 Impact Factor: 0.733 Quartile: 2 Citations: 163 DOI: https://doi.org/10.1061/(ASCE)MT.1943-5533.0000225	2011

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Dr. Wasim Khaliq Waqas Javaid
8th International Conference on Concrete Under Severe Conditions-Environment & Loading held from 12-14 Sep 2016 in Italy, res.country(109,)
Citations: N/A
DOI: <http://dx.doi.org/10.4028/www.scientific.net/KEM.711.1118>
- Shear behavior of reinforced concrete slender beams** 2016
Muhammad Khaliq ur Rashid Kayani Wasim Khaliq Muhammad Shehzad
First European and Mediterranean Structural Engineering and Construction Conference, Istanbul, Turkey, May 24-29, 2016 res.country(224,)
Citations: N/A
DOI: doi: 10.14455/ISEC.res.2016.88
- High temperature properties of calcium aluminate cement concrete** 2015
Dr. Wasim Khaliq Hammad Anis Khan
Fifth International Workshop on Performance, Protection & Strengthening of Structures Under Extreme Loading (PROTECT 2015), res.country(233,)
Citations: N/A
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- Energy Efficient Design and Sustainable Buildings** 2014
Dr. Wasim Khaliq Umaid Bin Mansoor
2014 International Conference on Energy Systems and Policies ICESP 2014 , res.country(177,)
Citations: N/A
DOI: 10.1109/ICESP.2014.7346977
- Comparative Study of Curing of Concrete using Various Curing Techniques** 2014
Wasim Khaliq Waqas Javaid
Advanced Concrete Technology and its Applications (ACTA-2014), Islamabad, Pakistan, res.country(177,)
Citations: N/A
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- Comparative fire performance of high strength concrete columns with different types of fiber reinforcement** 2013
Wasim Khaliq Venkatesh Kodur Nikhil Raut
Application of Structural Fire Engineering, 19-20 April 2013, Prague, Czech Republic, res.country(56,)
Citations: N/A
DOI: <https://ojs.cvut.cz/ojs/index.php/asfe/issue/view/470>
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Dr. Wasim Khaliq
International conference on Advanced Concrete Technology and its Applications (ACTA-2012) held from 6-7 Nov 2012 in Islamabad- Pakistan res.country(177,)
Citations: N/A
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- Effect of tie configuration on fire performance of high strength concrete columns** 2012
Wasim Khaliq Venkatesh Kodur
7th International Conference on Structures in Fire, Zurich, Switzerland, 6-8 June 2012, res.country(43,)
Citations: N/A
DOI: <https://doi.org/10.3929/ethz-a-007050197>
- High temperature properties of fiber reinforced high strength concrete** 2010
Wasim Khaliq Venkatesh Kodur
ACI's Spring 2010 Convention to Highlight Xtreme Concrete , res.country(233,)
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