

Aslam Faqeer

Identification

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https://scholar.google.com/citations?user=voa_8TQAAAAJ&hl=en (Scholar)

Knowledge fields

Engineering and Technology - Civil Engineering

Engineering and Technology - Civil Engineering - Municipal and Structural Engineering

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
English	Advanced (C1)	Advanced (C1)	Advanced (C1)	Advanced (C1)	Advanced (C1)
Italian	Beginner (A1)	Beginner (A1)	Beginner (A1)	Beginner (A1)	Beginner (A1)
Urdu	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)

Education

	Degree	Classification
2011/09/05 - 2015/02/13 Concluded	EU-NICE Erasmus Mundus project (Doktor (PhD)) Major in Earthquake Engineering Università degli Studi di Roma La Sapienza, Italy <i>"Performance-based Assessment of Existing Infilled Frame RC Building Structures" (THESIS/DISSERTATION)</i>	
2006/01/01 - 2008/06/30 Concluded	Masters in Structural Engineering (Master) Major in Structural Engineering NED University of Engineering and Technology, Pakistan	
2000/01/01 - 2004/02/01 Concluded	Bachelor in Civil Engineering (Bachelor) NED University of Engineering and Technology, Pakistan	

Projects

Grant

	Designation	Funders
2022/01/01 - 2024/09/05	Disaster Resilience Improvement in Pakistan 0123 Co-Principal Investigator (Co-PI)	Under evaluation

2020/01/01 - 2022/12/18	Seismic Assessment & Retrofitting of Major Hospital in Karachi 0126 Co-Principal Investigator (Co-PI)	
2020/02/01 - 2022/12/03	Tsunami and Earthquake Preparedness Project 0125 Co-Principal Investigator (Co-PI)	Concluded

Contract

	Designation	Funders
2021/01/01 - 2022/12/06	Seismic Evaluation of Existing Commercial Buildings in Quetta 0124 Co-Principal Investigator (Co-PI)	Concluded
2018/01/01 - 2019/12/06	Performance-based Assessment of Existing Bridge in Karachi 1234 Co-Principal Investigator (Co-PI)	Concluded

Outputs

Publications

Conference paper	1	Muneeb Alam; Aslam Faqeer Mohammad; Salman Mobeen. Corresponding author: Muneeb Alam. "Evaluation of Effects of Pounding on RC Building Structures Under Strong Seismic Events". Paper presented in <i>14th International Civil Engineering Conference, 2024</i> . Published
	2	Muneeb Alam; Aslam Faqeer Mohammad; Salman Mobeen. "Seismic Response of Structures Subjected to Pounding Under Mainshock-Aftershock Sequences". Paper presented in <i>14th International Civil Engineering Conference, 2024</i> .
	3	Aslam Faqeer Mohammad; Syed Ashraf Abbas. "Response Evaluation of PC/RC Pipe-Rack Structure under Strong Seismic Events". 2024.

- 4 Aslam Faqueer Mohammad; Muhammad Ali Raza. "Tsunami-Resilient Building Assessment for Coastal Community of Karachi". 2023.
- 5 Khan, R.A.; Mohammad, A.F.; Lodi, S.H.; Shah, M.A.M.; Bashir, S.. "Condition assessment of an aging PSC bridge in Karachi". 2021.
- 6 Aslam Faqueer Mohammad; Kainaat Nadeem. "Response Of Reinforced Concrete Building Structures Subjected To Multiple Seismic Shocks.". 2019.
- 7 Aslam Faqueer Mohammad; Fatima Khalid; Abdul Basit; Masood Rafi. "Performance Evaluation of RC Buildings with SMRF and BRB Framed Structural System.". 2019.
- 8 Aslam Faqueer Mohammad; Kainaat Nadeem. "Evaluation of Response Reduction Factor For RC Frames.". 2016.
- 9 Aslam Faqueer Mohammad; Marco Faggella; Rosario Gigliotti; Enrico Spacone. "Influenza Della Rottura A Taglio Delle Colonne Sulla Valutazione Sismica Di Edifici Esistenti In Ca Con Tamponature.". 2014.
- 10 Mohammad, A.F.; Faggella, M.; Gigliotti, R.; Spacone, E.. "Influence of bond-slip effect and shear deficient column in the seismic assessment of older infilled frame R/C structures". 2014.
- 11 Mohammad, A.F.; Faggella, M.; Gigliotti, R.; Spacone, E.. "Probabilistic seismic response sensitivity of nonlinear frame bending-shear and infill model parameters for an existing infilled reinforced concrete structure". 2014.
- 12 Aslam Faqueer Mohammad; Marco Faggella; Rosario Gigliotti; Enrico Spacone. "Incremental dynamic analysis of frame-infill Interaction for a non-ductile structure with nonlinear shear model.". 2013.
- 13 Aslam Faqueer Mohammad; Sarosh Hashmat Lodi. "Nonlinear static analysis of an infill framed reinforced concrete building.". 2012.
- 14 Aslam Faqueer Mohammad; Tehmina Ayub; Najm-u-Sahar Zafar. "Performance Based Evaluation Of Non-Ductile Reinforced Concrete Frames With And Without Infill.". 2010.

Journal article

- 1 Mohammad, Aslam Faqueer; Qadri, Muhammad Owais Raza; Khan, Rashid Ahmed. "Corrosion in concrete structures: A case study of existing I-girder Bridge". *Proceedings of the Institution of Civil Engineers - Bridge Engineering* (2025): 1-49. <https://doi.org/10.1680/jbren.24.00017>.
10.1680/jbren.24.00017
- 2 Shamsoon Fareed; Aslam Faqueer Muhammad; Ayed Alluqmani. "Parameters Influencing the Behavior of RC Flat-Slabs Under Column-Loss Scenario". *Journal of Al-Azhar University Engineering Sector* (2024): <http://dx.doi.org/10.21608/aej.2024.257985.1557>.

- 3 Khan, R.A.; Mohammad, A.F.; Haseeb, A.; Hammad, M.; Siddiqui, M.A.; Lodi, S.H.. "Android-based frame-work for condition assessment of existing rc hospital buildings in Karachi". *Proceedings of the Institution of Civil Engineers: Structures and Buildings* (2024): <http://www.scopus.com/inward/record.url?eid=2-s2.0-85202162125&partnerID=MN8TOARS>.
10.1680/jstbu.23.00122
- 4 Fatima, A.; Sangi, A.J.; Mohammad, A.F.; Joohi, M.. "Global response of reinforced concrete framed building under varying blast load pulse shapes". *Structures* 50 (2023): 482-493. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85148352072&partnerID=MN8TOARS>.
10.1016/j.istruc.2023.02.001
- 5 Mohammad, A.F.; Khan, R.A.; Fatima, E.B.; Shaukat, E.A.; Mujtaba, E.M.. "Seismic vulnerability assessment of masonry buildings in Karachi". *Asian Journal of Civil Engineering* 24 1 (2023): 137-151. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85138198863&partnerID=MN8TOARS>.
10.1007/s42107-022-00493-1
- 6 Mohammad, A.F.; Faggella, M.; Gigliotti, R.; Spacone, E.. "Evaluation of modelling uncertainties impact in older infilled frame RC structures". *Structures* 53 (2023): 764-778. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85156217138&partnerID=MN8TOARS>.
10.1016/j.istruc.2023.04.109
- 7 Aslam Faqeer Mohammad; Rashid A. Khan; Muhammad Afnan Siddiqui; Muhammad Hammad. "Case Study: Rapid Seismic Assessment of Existing Hospitals in Karachi". *Engineering Proceedings* (2022): <https://www.mdpi.com/2673-4591/22/1/8>.
10.3390/engproc2022022008
- 8 Mohammad, A.F.; Khalid, F.; Khan, R.A.. "Finite element micro-modelling of RC frames with variant configurations of infill masonry". *Structural Engineering and Mechanics* 81 4 (2022): 395-409. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85129174649&partnerID=MN8TOARS>.
10.12989/sem.2022.81.4.395
- 9 Nadeem, K.; Mohammad, A.F.. "Seismic Vulnerability Assessment of Existing RC Structures Subjected to Multiple Earthquakes". *Ingegneria Sismica* 38 4 (2021): <http://www.scopus.com/inward/record.url?eid=2-s2.0-85131451862&partnerID=MN8TOARS>.
- 10 Mohammad, A.F.; Faggella, M.; Gigliotti, R.; Spacone, E.. "Effects of bond-slip and masonry infills interaction on seismic performance of older R/C frame structures". *Soil Dynamics and Earthquake Engineering* 109 (2018): 251-265. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85044444613&partnerID=MN8TOARS>.
10.1016/j.soildyn.2018.02.027
- 11 Mohammad, A.F.; Faggella, M.; Gigliotti, R.; Spacone, E.. "Seismic performance of older R/C frame structures accounting for infills-induced shear failure of columns". *Engineering Structures* 122 (2016): 1-13. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84969506750&partnerID=MN8TOARS>.
10.1016/j.engstruct.2016.05.010

Report

- 1 Aslam Faqeer Mohammad. 2022. *Report on Tsunami safe structures located on coastal belt of Karachi.*
- 2 Aslam Faqeer Mohammad. 2022. *Report on Seismic vulnerability assessment of infrastructure located on coastal belt of Karachi.*
- 3 Aslam Faqeer Mohammad. 2012. *6-Storey Mixed Use Building in Karachi: A Pilot Case Study of Seismic Assessment and Retrofit Design.*
- 4 Aslam Faqeer Mohammad. 2012. *3-Storey Library Building in Karachi: A Case Study of Seismic Assessment and Retrofit Design.*
- 5 Aslam Faqeer Mohammad. 2012. *8-Storey Mixed Use Building in Karachi: A Case Study of Seismic Assessment and Retrofit Design.*
- 6 Aslam Faqeer Mohammad. 2012. *4-Storey Office Building in Muzaffarabad: A Case Study of Seismic Assessment and Retrofit Design.*
- 7 Aslam Faqeer Mohammad. 2012. *4-Storey Academic Building in Karachi: A Case Study of Seismic Assessment.*
- 8 Aslam Faqeer Mohammad. 2012. *A practical guide to Nonlinear Static Analysis of reinforced concrete building with masonry infill wall.*

Activities

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2023 - 2024	Evaluation of Effects of Pounding on RC Building Structures Under Strong Seismic Events Supervisor	(Master) NED University of Engineering & Technology, Pakistan
2023 - 2024	Performance evaluation of existing RC Building Structure subjected to Fire Loading Supervisor	(Master) NED University of Engineering & Technology, Pakistan
2022/01/01 - 2023/01/01	Seismic Assessment of Existing Reinforced Concrete Structures in Afghanistan Supervisor	Masters in Structural Engineering (Master) NED University of Engineering and Technology, Pakistan

2022 - 2023	Micro-Modelling Investigation of Pre-Stressed Concrete Bridge subjected to Moving Loads Supervisor	(Master) NED University of Engineering & Technology, Pakistan
2022 - 2023	Response Evaluation of Tsunami Safe Structures Subjected to the Tsunamigenic Earthquake and Tsunami Hydrodynamic Loading Supervisor	(Master) NED University of Engineering and Technology, Pakistan
2022 - 2023	Seismic Response Evaluation of Karachi's Existing Bridge Affected From Corrosion Supervisor	(Master) NED University of Engineering & Technology, Pakistan
2022 - 2023	Efficacy of Confined Masonry Structures as Flood Resilient Houses Supervisor	(Master) NED University of Engineering & Technology, Pakistan
2022 - 2023	Performance-Based Seismic Assessment of Existing RC Pipe-Rack System: A Case-Study Supervisor	(Master) NED University of Engineering and Technology, Pakistan
2021/12/01 - 2022/06/01	Investigation for a Rational Force Deformation Constitutive Model for Infill-Frame Interaction Particularly for In-Plane Action Supervisor	Masters in Structural Engineering (Master) NED University of Engineering and Technology, Pakistan
2021/01/01 - 2022/06/01	Development of Connectors for Low-rise Buildings Constructed Using Precast Reinforced Concrete Elements Supervisor	Masters in Structural Engineering (Master) NED University of Engineering and Technology, Pakistan
2020/01/01 - 2022/01/01	Tsunami Fragility Curves for Low-Rise Reinforced Concrete Building Structures in Karachi Supervisor	Masters in Earthquake Engineering (Master) NED University of Engineering and Technology, Pakistan
2018/01/01 - 2020/01/01	Seismic Assessment of Existing Structures Subjected to Multiple Earthquakes Supervisor	Masters in Structural Engineering (Master) NED University of Engineering and Technology, Pakistan

Distinctions

Award

2011	EuNice Erasmus Mundus Fellowship Sapienza University of Rome, Italy
2004	Double Gold Medalist Government of Pakistan, Pakistan