

Abbas Haider

Assistant Professor
NUST Institute of Civil Engineering

Email: ahaider@nice.nust.edu.pk
Contact: 051886463
LinkedIn: <https://www.linkedin.com/in/abbas-haider-1a449654/>



About

Dr. Abbas Haider is working as Assistant Professor in the NUST Institute of Civil Engineering. Dr. Abbas Haider has a PhD in Geotechnical Engineering. Dr. Abbas Haider has published 12 research articles & conference papers having a citation count of 195, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Geotechnical Engineering Tsinghua University , China	2015 - 2020
MS in Disaster Mitigation Reconstruction Engineering NUST, Islamabad , Pakistan	2012 - 2014
BS in Civil Engineering NUST, Islamabad , Pakistan	2007 - 2011

Experience

Assistant Professor NUST Institute of Civil Engineering	2024- Present
Assistant Professor NUST Institute of Civil Engineering	2021 - 2020
Assistant Professor NUST Institute of Civil Engineering	2021 - 2021
Assistant Professor NUST Institute of Civil Engineering	2020 - 2021
Lecturer Abasyn University , Islamabad Campus	2014 - 2015
Lab Engineer The University of Lahore , Islamabad Campus	2011 - 2013

Professional Memberships

PEC	Since 2011
-----	------------

Research Projects

National Projects	
Blockage of Unwanted YouTube Videos in Network Traffic Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Approved_inprocess	2024

International Projects

Research Articles

Predictive Modeling of Atterberg's Limits of Soil passing through Sieve #40 and #200 using Artificial Neural Networks and Multivariate Regression: Advancing Sustainable Construction Practices Sana Ullah Qamar Badee Alshameri Waqas Hassan Zain Maqsood Abbas Haider Multiscale and Multidisciplinary Modeling, Experiments and Design, Pages 1-19	2024
--	------

Impact Factor: 1.900 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1007/s41939-024-00560-x	
An innovative application of fine marble dust for the construction industry to mitigate the piping, internal erosion and dispersion problems of sodium-rich clays <i>Waqas Hassan Badee Alshameri Zain Maqsood Abbas Haider Syed Muhammad Jamil Hassan Mujtaba Construction and Building materials</i> , Volume 408, Article Number 133834 Impact Factor: 7.4 Quartile: 1 Citations: 16 DOI: https://doi.org/10.1016/j.conbuildmat.2023.133834	2023
Impact of crushing shape and geopolymerization on reclaimed concrete aggregate for recycling in the flexible pavement: an enhanced circular economy solution <i>Omer Sattar Usama Khalid Zia ur Rehman Wasim Irshad Kayani Abbas Haider Road Materials and Pavement Design</i> , Pages 1-23 Impact Factor: 3.7 Quartile: 2 Citations: 6 DOI: 10.1080/14680629.2023.2287711	2023
A novel technique for the construction industry to mitigate dispersibility and internal erosion problems of Sodium rich clays by using Water-Soluble Potassium Rich Ions Material <i>Waqas Hassan Badee Abdulqawi Hamood Al-Shameri Abbas Haider Zain Maqsood Syed Muhammad Jamil Arfan Shahzad Construction and Building Materials</i> , Volume 400, Article Number 132780 Impact Factor: 7.4 Quartile: 1 Citations: 16 DOI: https://doi.org/10.1016/j.conbuildmat.2023.132780	2023
Incorporating potassium-rich waste material in a sustainable way to stabilize dispersive clay: A novel practical approach for the construction industry <i>Waqas Hassan Badee Abdulqawi Hamood Al-Shameri Syed Muhammad Jamil Zain Maqsood Abbas Haider Arfan Shahzad Construction and Building Materials</i> , Volume 400, Article Number 132717 Impact Factor: 7.4 Quartile: 1 Citations: 26 DOI: https://doi.org/10.1016/j.conbuildmat.2023.132717	2023
PET Waste Management in Pakistan Through use of PET Shreds as Additive in Backfill Soil <i>Fawad Sheikh Badee Alshameri Zain Maqsood Abbas Haider Jawad Hassan Environmental Monitoring and Assessment</i> , Volume 195, Article Number 1239 Impact Factor: 3.0 Quartile: 3 Citations: 2 DOI: https://doi.org/10.1007/s10661-023-11832-3	2023
Determination of Ground Motion Parameters of Urban Centers of Balochistan Province <i>Usama Abid Abbas Haider Badee Alshameri Zia ur Rehman Abdul Jabbar Khan Nasir Mahmood Shah Hassan Soil Dynamics and Earthquake Engineering</i> , Volume 175, Article Number 108221 Impact Factor: 4.0 Quartile: 1 Citations: 2 DOI: 10.1016/j.soildyn.2023.108221	2023
Normalization of geotechnical sustainability assessment tool (Geo-SAT) using multiple criteria decision analysis for dams <i>Kainat Batool Badee Alshameri Faisal Raza Abbas Haider Majid Ali Environment, Development and Sustainability</i> Impact Factor: 4.9 Quartile: 2 Citations: 1 DOI: 10.1007/s10668-023-03442-3	2023
Machine learning-based intelligent modeling of hydraulic conductivity of sandy soils considering a wide range of grain sizes <i>Zia urRehman Usama Khalid Nauman Ijaz Hassan Mujtaba Abbas Haider Khalid Farooq Zain Ijaz Engineering Geology</i> , Volume 311, Article Number 106899 Impact Factor: 6.902 Quartile: 1 Citations: 66 DOI: https://doi.org/10.1016/j.enggeo.2022.106899	2022
Evaluation of seismicity of Karachi city in the context of modern building codes <i>Abbas Haider Zia Ur Rehman Arabian Journal of Geosciences</i> , Volume 14, Article Number 65 Impact Factor: N/A DOI: https://doi.org/10.1007/s12517-021-06462-3	2021
A numerical study on the transverse seismic response of lined circular tunnels under obliquely incident asynchronous P and SV waves <i>Longqi Yan Peng Li Erxiang Song Abbas Haider</i>	2020

Impact Factor: 5.915 | Quartile: 1 | Citations: 43

DOI: <https://doi.org/10.1016/j.tust.2019.103235>

Numerical simulation and absorbing boundary conditions for wave propagation in a semi-infinite media with a linear isotropic hardening plastic model

2019

Abbas Haider Erxiang Song Peng Li

Soil Dynamics and Earthquake Engineering, Volume 125, Article Number 105627

Impact Factor: 2.637 | Quartile: 2 | Citations: 14

DOI: <https://doi.org/10.1016/j.soildyn.2019.04.001>

Editorial Activities

PLOS One

2023

Reviewed Papers for Journals

Impact Factor: 0.89

Innovative infrastructure solutions

2022

Reviewed Papers for Journals

Impact Factor: 2.4