Abbas Haider

Assistant Professor

NUST Institute of Civil Engineering

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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 2015 - 2020
Tsinghua University , China

MS in Disaster Mitigation Reconstruction Engineering 2012 - 2014
NUST, Islamabad , Pakistan

BS in Civil Engineering 2007 - 2011
NUST, Islamabad , Pakistan

Experience

Assistant Professor 2024- Present
NUST Institute of Civil Engineering

Assistant Professor 2021 - 2020
NUST Institute of Civil Engineering

Assistant Professor 2021 - 2021
NUST Institute of Civil Engineering

Assistant Professor 2020 - 2021
NUST Institute of Civil Engineering

Lecturer 2014 - 2015
Abasyn University , Islamabad Campus

Lab Engineer 2011 - 2013
The University of Lahore , Islamabad Campus

Professional Memberships

PEC Since 2011

Research Projects

National Projects

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

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 2024
Sana Ullah Qamar Badee Alshameri Waqas Hassan Zain Maqsood Abbas Haider
Multiscale and Multidisciplinary Modeling, Experiments and Design, Pages 1-19

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 2023

Waqas Hassan Badee Alshameri Zain Maqsood Abbas Haider Syed Muhammad Jamil Hassan Mujtaba
Construction and Building materials, Volume 408, Article Number 133834
Impact Factor: 7.4 | **Quartile:** 1 | **Citations:** 16
DOI: https://doi.org/10.1016/j.conbuildmat.2023.133834

Impact of crushing shape and geopolymerization on reclaimed concrete aggregate for recycling in the flexible pavement: an enhanced circular economy solution 2023

Omer Sattar Usama Khalid Zia ur Rehman Wasim Irshad Kayani Abbas Haider
Road Materials and Pavement Design, Pages 1-23
Impact Factor: 3.7 | **Quartile:** 2 | **Citations:** 6
DOI: 10.1080/14680629.2023.2287711

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 2023

Waqas Hassan Badee Abdulqawi Hamood Al-Shameri Abbas Haider Zain Maqsood Syed Muhammad Jamil Arfan Shahzad
Construction and Building Materials, Volume 400, Article Number 132780
Impact Factor: 7.4 | **Quartile:** 1 | **Citations:** 16
DOI: https://doi.org/10.1016/j.conbuildmat.2023.132780

Incorporating potassium-rich waste material in a sustainable way to stabilize dispersive clay: A novel practical approach for the construction industry 2023

Waqas Hassan Badee Abdulqawi Hamood Al-Shameri Syed Muhammad Jamil Zain Maqsood Abbas Haider Arfan Shahzad
Construction and Building Materials, Volume 400, Article Number 132717
Impact Factor: 7.4 | **Quartile:** 1 | **Citations:** 26
DOI: https://doi.org/10.1016/j.conbuildmat.2023.132717

PET Waste Management in Pakistan Through use of PET Shreds as Additive in Backfill Soil 2023

Fawad Sheikh Badee Alshameri Zain Maqsood Abbas Haider Jawad Hassan
Environmental Monitoring and Assessment, Volume 195, Article Number 1239
Impact Factor: 3.0 | **Quartile:** 3 | **Citations:** 2
DOI: https://doi.org/10.1007/s10661-023-11832-3

Determination of Ground Motion Parameters of Urban Centers of Balochistan Province 2023

Usama Abid Abbas Haider Badee Alshameri Zia ur Rehman Abdul Jabbar Khan Nasir Mahmood Shah Hassan
Soil Dynamics and Earthquake Engineering, Volume 175, Article Number 108221
Impact Factor: 4.0 | **Quartile:** 1 | **Citations:** 2
DOI: 10.1016/j.soildyn.2023.108221

Normalization of geotechnical sustainability assessment tool (Geo-SAT) using multiple criteria decision analysis for dams 2023

Kainat Batool Badee Alshameri Faisal Raza Abbas Haider Majid Ali
Environment, Development and Sustainability
Impact Factor: 4.9 | **Quartile:** 2 | **Citations:** 1
DOI: 10.1007/s10668-023-03442-3

Machine learning-based intelligent modeling of hydraulic conductivity of sandy soils considering a wide range of grain sizes 2022

Zia urRehman Usama Khalid Nauman Ijaz Hassan Mujtaba Abbas Haider Khalid Farooq Zain Ijaz
Engineering Geology, Volume 311, Article Number 106899
Impact Factor: 6.902 | **Quartile:** 1 | **Citations:** 66
DOI: https://doi.org/10.1016/j.enggeo.2022.106899

Evaluation of seismicity of Karachi city in the context of modern building codes 2021

Abbas Haider Zia Ur Rehman
Arabian Journal of Geosciences, Volume 14, Article Number 65
Impact Factor: N/A
DOI: https://doi.org/10.1007/s12517-021-06462-3

A numerical study on the transverse seismic response of lined circular tunnels under obliquely incident asynchronous P and SV waves 2020

Longqi Yan Peng Li Erxiang Song Abbas Haider

Tunnelling and Underground Space Technology, Volume 97, Article Number 103235

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