

Muhammad Hamza Khalid

Lab Engineer
NUST Institute of Civil Engineering
Email: mkhalid.nice@nice.nust.edu.pk
Contact:
LinkedIn:



About

Dr. Muhammad Hamza Khalid is working as Lab Engineer in the NUST Institute of Civil Engineering. Dr. Muhammad Hamza Khalid has published 6 research articles & conference papers having a citation count of 57, carried out 0 projects and filed 0 intellectual property.

Qualifications

MS in Geotechnical Engineering NUST, Islamabad , Pakistan	2019 - 2022
BE in Civil Engineering NUST, Islamabad , Pakistan	2014 - 2018
F.Sc in Pre-Engineering Board of Intermediate and Secondary Education, Mirpur AJK , Pakistan	2012 - 2014
Matric (SSC) in Science Board of Intermediate and Secondary Education, Mirpur AJK , Pakistan	2010 - 2012

Experience

Lab Engineer NUST Institute of Civil Engineering	2023- Present
Lab Engineer NUST Institute of Civil Engineering	2018 - 2023

Awards

BISE AJK Bronze Medal in HSSC (Pre-engineering, Boys Group)	2015
---	------

Professional Memberships

PEC

Data-Driven Approach to Enhance Deep Foundation Safety: Reliable Methods for Predicting Bored Pile Capacity

Usman Hasan Jalali Badee Abdulqawi Hamood Al-Shameri Muhammad Hamza Khalid Waqas Hassan Lokmane Abdeldjouad Syed Muhammad Jamil Syed Hassan Farooq Zain Maqsood

International Journal of Geo-Engineering, Volume 16, Article Number 16

Impact Factor: 7.100 | **Quartile:** 1

DOI: <https://doi.org/10.1186/s40703-025-00247-3>

2025

Geospatial Intelligence in Geotechnical Engineering: A Comprehensive Investigation into SPT-N, Soil Types, and Undrained Shear Strength for Enhanced Site Characterization

Waqas Hassan Muhammad Qasim Badee Abdulqawi Hamood Al-Shameri Arfan Shahzad Muhammad Hamza Khalid Sana Ullah Qamar

Bulletin of Engineering Geology and the Environment, Volume 83, Article Number 380

Impact Factor: 3.700 | **Quartile:** 1 | **Citations:** 11

DOI: <https://doi.org/10.1007/s10064-024-03884-7>

2024

Comparison of Seepage Evaluation Methods for Earth-Filled Embankments: A Case Study of Sukian Dyke, Mangla Dam

Muhammad Hamza Khalid Tanzeela Yasmin Badee Alshameri Syed Muhammad Jamil Waqas Hassan

Modeling Earth Systems and Environment, Pages 1-14

Impact Factor: 2.700 | **Quartile:** 3

DOI: <https://doi.org/10.1007/s40808-023-01905-0>.

2023

Statistical interpolation and spatial mapping of geotechnical soil parameters of District Sargodha, Pakistan

Waqas Hassan Muhammad Fazal Raza Badee Abdulqawi Hamood Al-Shameri Arfan Shahzad Muhammad Hamza Khalid Muhammad Naqeeb Nawaz

Bulletin of Engineering Geology and the Environment, Volume 82, Issue 1, Article Number 37

Impact Factor: 4.130 | **Quartile:** 2 | **Citations:** 33

DOI: [10.1007/s10064-022-03059-2](https://doi.org/10.1007/s10064-022-03059-2)

2023

Effect of Multiwalled Carbon Nanotubes (MWCNTs) on Mechanical Properties of Gypsum-treated Soil

Bilawal Hussain Faisal Raza Badee Alshameri Muhammad Hamza Khalid

International Journal of Geosynthetics and Ground Engineering, Volume 8, Article Number: 60

Impact Factor: N/A | **Citations:** 6

DOI: [10.1007/s40891-022-00408-9](https://doi.org/10.1007/s40891-022-00408-9)

2022

Comparative study of various interpretative methods of the pile load test

Badee Abdulqawi Hamood Al-Shameri Ahrar Mahmood Muhammad Hamza Khalid Syed Muhammad Jamil

Innovative Infrastructure Solutions, Volume 7, Article Number 102

Impact Factor: N/A | **Citations:** 7

DOI: <https://doi.org/10.1007/s41062-021-00697-5>

2021