Syed Muhammad Turab Haider Jafri

Assistant Professor

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About

Dr. Syed Muhammad Turab Haider Jafri is working as Assistant Professor in the NUST Institute of Civil Engineering. Dr. Syed Muhammad Turab Haider Jafri has a PhD in Geotechnical Engineering. Dr. Syed Muhammad Turab Haider Jafri has published 9 research articles & conference papers having a citation count of 103, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Geotechnical Engineering 2013 - 2018
Hanyang University , Korea

Experience

Assistant Professor 2022- Present
NUST Institute of Civil Engineering

Assistant Professor 2018 - 2022
NUST Institute of Civil Engineering

Industry Projects

National Projects

Design for Construction of Mini Dam at Tehsil Naushera, District Khushab 2020
Client: N/A
Amount: PKR 1,804,910.00
Status: Approved_inprocess

Hydraulic Analysis of Bridge # 3 (9+765) on Swat Motorway Project 2019
Client: N/A
Amount: PKR 535,500.00
Status: Completed

International Projects

Research Articles

Utilizing undisturbed soil sampling approach to predict elastic modulus of cohesive soils: a Gaussian process regression model 2024

Muhammad Naqeeb Nawaz Muhammad Hasnain Ayub Khan Waqas Hassan Syed Taseer Abbas Jaffar Syed Muhammad Turab Haider Jafri

Multiscale and Multidisciplinary Modeling, Experiments and Design, Volume 7, Pages 4255-4270

Impact Factor: 1.900 | **Quartile:** 2 | **Citations:** 11

DOI: https://doi.org/10.1007/s41939-024-00458-8

Predicting the rock cutting performance indices using gene expression modeling 2024

Syed Muhammad Turab Haider Jafri Muhammad Naqeeb Nawaz Jun-Sik park Syed Taseer Abbas Jaffar Rahat Hussain Tae-Min Oh

Modeling Earth Systems and Environment, Volume 10, Issue 4, Pages 5783-5798

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

DOI: https://doi.org/10.1007/s40808-024-02097-x

Prediction of soil compaction parameters through the development and experimental validation of Gaussian process regression models 2024

Muhammad Hasnain Ayub Khan Syed Muhammad Turab Haider Jafri Sameer Ud-Din Haji Sami Ullah Muhammad Naqeeb Nawaz

Environmental Earth Sciences , Volume:83, Issue:4, Article Number: 129

Impact Factor: 2.8 | **Quartile:** 2 | **Citations:** 20

DOI: 10.1007/s12665-024-11433-4

A sustainable approach for estimating soft ground soil stiffness modulus using artificial intelligence 2023

Muhammad Naqeeb Nawaz Muhammad Muneeb Nawaz Tariq Ahmed Awan Syed Taseer Abbas Jaffar Syed Muhammad Turab Haider Jafri Tae-Min Oh Waqas Hassan Marc Azab

Environmental Earth Sciences , Volume 82, Issue 23, Article Number 579

Impact Factor: 2.800 | **Quartile:** 2 | **Citations:** 20

DOI: https://doi.org/10.1007/s12665-023-11193-7

Estimation Method for TBM Cutterhead Drive Design Based on Full-Scale Tunneling Tests for Application in Utility Tunnels 2020

Kyoungyul Kim Jungjoo Kim Heehwan Ryu Hafeezur Rehman Turab H. Jafri Hankyu Yoo Sanggui Ha

Applied Sciences , Volume 10(15), Article Number 5187

Impact Factor: 2.679 | **Quartile:** 2 | **Citations:** 16

DOI: https://doi.org/10.3390/app10155187

Analysis of seepage loss from concrete lined irrigation canals in Punjab, Pakistan 2020

Zulqarnain Shah Hamza Farooq Gabriel Sajjad Haider Turab Jafri

Irrigation and Drainage , Pages 1-14

Impact Factor: 1.328 | **Quartile:** 3 | **Citations:** 16

DOI: 10.1002/ird.2474

Rock Mass Behavior under Tunnel Widening in Asymmetric and Symmetric Modes Considering Different Shapes and Parametric Conditions 2019

Babar Khan Syed Muhammad Jamil Jung Joo Kim Jonguk Kim Babar Khan Syed Muhammad Jamil Jung Joo Kim Turab H. Jafri Jonguk Kim

Geosciences , Vol.9(12), Article Number 518

Impact Factor: 0

DOI: https://doi.org/10.3390/geosciences9120518

Effects of different empirical tunnel design approaches on rock mass behaviour during tunnel widening 2019

Babar Khan Syed Muhammad Jamil Turab H. Jafri Kamran Akhtar

Heliyon , Volume 5, Issue 12, e02944, Pages:20

Impact Factor: 0 | **Citations:** 9

DOI: 10.1016/j.heliyon.2019.e02944

REV Application in DEM Analysis of Non-Vibrational Rock Splitting Method to Propose Feasible Borehole Spacing 2018

Hankyu Yoo Turab H. Jafri

Applied Sciences , Volume 8(3), Article Number 335

Impact Factor: 2.217 | **Quartile:** 2 | **Citations:** 8

DOI: https://doi.org/10.3390/app8030335