

Umair Jalil Malik

Lab Engineer

NUST Institute of Civil Engineering

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About

Dr. Umair Jalil Malik is working as Lab Engineer in the NUST Institute of Civil Engineering. Dr. Umair Jalil Malik has published 9 research articles & conference papers having a citation count of 147, carried out 1 projects and filed 0 intellectual property.

Qualifications

BS in Structural Engineering

NUST, Islamabad , Pakistan

2019 - 2023

Experience

Lab Engineer

NUST Institute of Civil Engineering

2025- Present

Lab Engineer

NUST Institute of Civil Engineering

2023 - 2023

Industry Projects

National Projects

Geotechnical Consultancy Project for "Field Density Tests at German Embassy, Islamabad.

Client: DVK Construction Pvt Ltd

Amount: PKR 208,500.00

Status: Completed

2023

International Projects

- Advancing mix design prediction in 3D printed concrete: Predicting anisotropic compressive strength and slump flow** 2024
Umair Jalil Malik Raja Dilawar Riaz Muhammad Usman Raja Ehsan Riaz Raja Hamza Saif Ur Rehman
Case studies in construction materials, Volume 21, Article Number e03510
Impact Factor: 6.500 | **Quartile:** 1 | **Citations:** 8
DOI: <https://doi.org/10.1016/j.cscm.2024.e03510>
- Advancing seismic resilience: Performance-based assessment of mid-rise and high-rise engineered cementitious composite (ECC) Buildings** 2024
Umair Jalil Malik Fawad Ahmed Najam Sikandar Ali Khokhar Fazal Rehman Raja Dilawar Riaz
Case Studies in Construction Materials, Volume 20, Article Number e02732
Impact Factor: 6.2 | **Quartile:** 2 | **Citations:** 13
DOI: <https://doi.org/10.1016/j.cscm.2023.e02732>
- Seismic evaluation of non-seismically detailed RC buildings in Pakistan: performance and damage accumulation under repeated earthquakes.** 2024
Saima Munir Fawad Ahmed Najam Asad ur Rahman Umair Jalil Malik Irfan Ahmad Rana Ather Ali
Bulletin of Earthquake Engineering, Volume: 22, Pages 4547–4579,
Impact Factor: 4.600 | **Quartile:** 1
DOI: <https://doi.org/10.1007/s10518-024-01935-8>
- ANN-based predictive mimicker for the constitutive model of engineered cementitious composites (ECC)** 2024
Umair Jalil Malik Sikandar Ali Khokhar Muhammad Hammad Rao Arsalan Khushnood Fawad Ahmed Najam Faizan Ali Muhammad Shahid
Construction and Building Materials, Volume 420, Article Number: 135530
Impact Factor: 7.4 | **Quartile:** 1 | **Citations:** 8
DOI: [10.1016/j.conbuildmat.2024.135530](https://doi.org/10.1016/j.conbuildmat.2024.135530)
- Machine Learning-Based Predictive Model for Tensile and Flexural Strength of 3D-Printed Concrete** 2023
Ammar Ali Raja Dilawar Riaz Umair Jalil Malik Syed Baqar Abbas Muhammad Usman Mati Ullah Shah In-Ho Kim Asad Hanif Muhammad Faizan
Materials, Volume 16, Issue 11, Article Number 4149
Impact Factor: 3.4 | **Quartile:** 2 | **Citations:** 41
DOI: <https://doi.org/10.3390/ma16114149>
- Enhancing Seismic Resilience of Existing Reinforced Concrete Building Using Non-Linear Viscous Dampers: A Comparative Study** 2023
Raja Dilawar Riaz Umair Jalil Malik Mati Ullah Shah Muhammad Usman Fawad Ahmed Najam
Actuators, Volume 12, Issue 4, Article Number 175
Impact Factor: 2.6 | **Quartile:** 2 | **Citations:** 16
DOI: <https://doi.org/10.3390/act12040175>