

Raja Dilawar Riaz

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About

Dr. Raja Dilawar Riaz is working as Lab Engineer in the NUST Institute of Civil Engineering. Dr. Raja Dilawar Riaz has published 6 research articles & conference papers having a citation count of 133, carried out 1 projects and filed 3 intellectual property.

Qualifications

BS in Civil Engineering NUST, Islamabad , Pakistan	2019 - 2019
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Experience

Lab Engineer NUST Institute of Civil Engineering	2024- Present
Lab Engineer NUST Institute of Civil Engineering	2023 - 2023

Research Projects

National Projects Large Scale 3D Concrete Printing Funding Agency: NUST Amount: PKR 72,800,000.00 Status: Approved_inprocess	2023
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International Projects

Research Articles

Advancing mix design prediction in 3D printed concrete: Predicting anisotropic compressive strength and slump flow <i>Umair Jalil Malik Raja Dilawar Riaz Muhammad Usman Raja Ehsan Riaz Raja Hamza Saif Ur Rehman</i> <i>Case studies in construction materials</i> , Volume 21 , Article Number e03510 Impact Factor: 6.500 Quartile: 1 Citations: 8 DOI: https://doi.org/10.1016/j.cscm.2024.e03510	2024
Augmented Data-Driven Approach towards 3D Printed Concrete Mix Prediction <i>Saif Ur Rehman Raja Dilawar Riaz Muhammad Usman In-Ho Kim</i> <i>Applied Sciences</i> , Volume 14(16), Article Number 7231 Impact Factor: 2.500 Quartile: 1 Citations: 3 DOI: https://doi.org/10.3390/app14167231	2024
Advancing seismic resilience: Performance-based assessment of mid-rise and high-rise engineered cementitious composite (ECC) Buildings <i>Umair Jalil Malik Fawad Ahmed Najam Sikandar Ali Khokhar Fazal Rehman Raja Dilawar Riaz</i> <i>Case Studies in Construction Materials</i> , Volume 20, Article Number e02732 Impact Factor: 6.2 Quartile: 2 Citations: 13 DOI: https://doi.org/10.1016/j.cscm.2023.e02732	2024
Machine Learning-Based Predictive Model for Tensile and Flexural Strength of 3D-Printed Concrete <i>Ammar Ali Raja Dilawar Riaz Umair Jalil Malik Syed Baqar Abbas Muhammad Usman Mati Ullah Shah In-Ho Kim Asad Hanif Muhammad Faizan</i> <i>Materials</i> , Volume 16, Issue 11, Article Number 4149 Impact Factor: 3.4 Quartile: 2 Citations: 41 DOI: https://doi.org/10.3390/ma16114149	2023
Enhancing Seismic Resilience of Existing Reinforced Concrete Building Using Non-Linear Viscous Dampers: A Comparative Study <i>Raja Dilawar Riaz Umair Jalil Malik Mati Ullah Shah Muhammad Usman Fawad Ahmed Najam</i> <i>Actuators</i> , Volume 12, Issue 4, Article Number 175 Impact Factor: 2.6 Quartile: 2 Citations: 16 DOI: https://doi.org/10.3390/act12040175	2023

Intellectual Property

Copyrights

Source code of Optimus3D Status: Filed	2024
User Interface of Optimus3D Status: Filed	2024

Patents

Industrial Designs

Progressive-Variable Screw Extruder Status: Granted Filed	2024
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Trademarks