07th Sep, 2024

To,

Editors-in-Chief

Journal of Earthquake Engineering

Respected Sir,

I am sending a soft copy of our manuscript entitled Seismic Performance of Finite Slopes Stabilized with Nano-Silica: A Pseudo-static Approach for Earthquake Resilience for the possible publication in Journal of Earthquake Engineering. We have incorporated all the figures, tables and references as per the Journal standards in the manuscript.

In this paper, we present a comprehensive study on the seismic performance of finite slopes stabilized using Nano-silica (NS) under earthquake forces. The study adopts a pseudo-static approach, utilizing finite element modeling to assess the stability of slopes with varying NS dosages, slope angles, and stability ratios. Given the scope and objectives of the Journal of Earthquake Engineering, we believe that this manuscript will contribute valuable insights into innovative methods for improving the seismic stability of geotechnical structures in earthquake-prone areas. The application of Nano-silica for slope stabilization addresses both practical and theoretical aspects of earthquake engineering, making it a timely and relevant study for your readership.

We confirm that this manuscript is original, has not been published previously, and is not under consideration for publication elsewhere. We have used generative AI tools to enhance the clarity and language quality of this manuscript. All authors have approved the final version of the manuscript, and there are no conflicts of interest to declare.

Thank you for considering our manuscript for publication. We look forward to your feedback and are happy to provide any additional information if required.

Best Regards,

Dr. Sufyan Ghani

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