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LIST OF PUBLICATIONS

Journal Articles

1. Munda, J., Padhi, J. and Mohanty, S., 2022. Investigation on performance of expansive soil stabilized with fly ash and nano-SiO_2. Materials Today: Proceedings, 67, pp.1268-1275. https://doi.org/10.1016/j.matpr.2022.08.524.
2. Munda, J., Ram, A.K. and Mohanty, S., 2023. Small-strain shear modulus and strength characteristics of clayey soil treated with Nano-SiO_2 and fly ash. International Journal of Civil Engineering, 21(11), pp.1813-1833. https://doi.org/10.1007/s40999-023-00857-x.
3. Munda, J. and Mohanty, S., 2024. State-of-the-art review on strength performance of soil treated with silica nanoparticles. Indian Geotechnical Journal, 54(3), pp.857-875. https://doi.org/10.1007/s40098-024-00868-y.
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1. Munda, J. and Mohanty, S., Improvement on Strength Characteristics of Soil Using Nanomaterials: A Critical Review. Proceedings of Indian Geotechnical Conference 2020, December 17-19, 2020, Andhra University, Visakhapatnam.
2. Krishna Kant, Munda, J., Nayak, A.K., and Mohanty, S., Impacts of Nanoparticles Application on Human Health and Environment: A Critical Review. 6th International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering, EGRWSE 2025, Vigo (Spain), June 11-14, 2025.

Lecture Note

1. Munda, J., Mohanty, S. (2023). State-Of-The-Art Review on Improvement of Strength Characteristics of Soil Using Nano Silica. In: Muthukkumaran, K., Sathiyamoorthy, R., Moghal, A.A.B., Jeyapriya, S.P. (eds) Ground Improvement Techniques. IGC 2021. Lecture Notes in Civil Engineering, vol 297. Sprnger, Singapore. https ://doi.org/10 .1007/978-981-19-6727-6_4.