

Special Issue

Applications of Machine Learning in Geotechnical Engineering

Message from the Guest Editors

This Special Issue aims to explore and showcase innovative applications of machine learning and artificial intelligence in the field of geotechnical engineering. As the complexity of geotechnical challenges continues to grow, advanced computational methods offer new avenues for addressing these issues more effectively and sustainably. We welcome original research contributions that utilize machine learning techniques to address a broad spectrum of geotechnical engineering challenges. From micro-scale soil behaviour to large-scale infrastructure projects, we seek papers that demonstrate how these advanced methods can enhance our understanding and improve engineering practises. We especially encourage papers that focus on the following: The interpretability and generalizability of machine learning models in geotechnical contexts. Data-centric approaches. Demonstrating clear potential for improving or transforming geotechnical engineering practises.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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