Special Issue

Latest Research on Geotechnical Engineering

Message from the Guest Editors

In recent years, geotechnical engineering has seen significant advancements across various areas. Researchers have focused on adapting to climate change by studying its impacts on the geomaterial properties of objects and structures and infrastructural stability. The deployment of monitoring systems that utilize sensors and data analysis has enabled real-time tracking of geomaterial and structural behaviors, enhancing risk assessment. Sustainable improvement techniques have evolved, incorporating eco-friendly materials and microbiological approaches. Overall, these advancements underscore geotechnical engineering's continuous evolution to meet complex infrastructure needs and environmental challenges. This Special Issue invites original submissions and review articles covering the recent advances in any area of geotechnical engineering from a theoretical, experimental, or numerical perspective. keywords:

- mechanical behavior of geomaterials
- geotechnical challenges in urbanization
- sustainable geotechnics
- geomaterial–structure interaction
- climate change and geotechnics
- numerical and analytical modeling
- risk assessment and management
- energy geotechnics

Guest Editors

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Deadline for manuscript submissions

closed (30 March 2025)

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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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