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## Latest Research on Geotechnical Engineering

Guest Editors:

### Dr. Bangbiao Wu

School of Civil Engineering,  
Tianjin University, Tianjin 300350,  
China

### Prof. Dr. Xia Bian

Key Laboratory of Ministry of  
Education for Geomechanics and  
Embankment Engineering, Hohai  
University, Nanjing 210098, China

### Dr. Yingchun Li

State Key Laboratory of Coastal  
and Offshore Engineering, Dalian  
University of Technology, Dalian  
116024, China

Deadline for manuscript  
submissions:

**30 March 2025**

### 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



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# Special Issue



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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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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*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
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