

Special Issue

Environmental Geotechnical Engineering and Geological Disasters

Message from the Guest Editors

Environmental geotechnical engineering, geodynamics, and engineering geology are critical to addressing the cross-cutting challenges between infrastructure development, Earth's dynamic systems, and ecological sustainability. This Special Issue emphasizes innovative solutions that integrate geotechnical engineering with environmental management, geological insights, and seismic resilience, focusing on soil behavior and hazard mitigation. We welcome contributions advancing environmental geotechnics, including sustainable soil stabilization, bioremediation, and low-carbon materials, as well as studies exploring geodynamic phenomena such as subsidence, landslides, and earthquake-induced hazards (e.g., liquefaction, seismic site response). This Special Issue aims to bridge geotechnical innovations, geological insights, and earthquake engineering to promote solutions that balance infrastructure safety, environmental protection, and dynamic earth processes. Contributions may include original research, case studies, and reviews involving theoretical, experimental, or field-based approaches.

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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.

Editor-in-Chief

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