

## Special Issue

# Environmental Issues in Geotechnical Engineering

### Message from the Guest Editors

Amid escalating climate change and intensifying environmental degradation, environmental geotechnics has become pivotal in addressing geotechnical engineering's role in ecological resilience.

This Special Issue seeks to advance research at the intersection of environmental geotechnics, focusing on sustainable solutions. We invite contributions spanning fundamental studies to practical applications, covering topics such as waste recycling in geotechnical systems, climate-resilient geotechnical design, pollution remediation innovations, carbon-negative geotechnics, eco-geotechnics, renewable energy-geotechnics integration, AI-driven site characterisation, predictive modelling for environmental risk, and optimisation of low-carbon practices and other topics related to environmental geotechnics.

This Special Issue aims to accelerate the transition toward sustainable geotechnical engineering, offer transformative tools to enhance efficiency, reduce ecological footprints, and foster eco-friendly geotechnical innovation.

Submissions from global researchers are welcome to help shape a roadmap towards environmentally responsible geotechnical practices.

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### Guest Editors

Prof. Dr. Haowen Guo

Dr. Zhaofeng Li

Dr. Pui San So

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### Deadline for manuscript submissions

31 March 2026



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

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