

## Special Issue

# Advances in Water Related Geotechnical Engineering

### Message from the Guest Editor

This Special Issue aims to show the latest advances in water–soil interaction mechanisms, and their implications in geotechnical engineering applications. We seek contributions that deepen the theoretical understanding, improve predictive capabilities, and offer innovative solutions to engineering problems involving seepage, pore pressure, and hydrological variability. We welcome original research and comprehensive reviews that employ analytical modeling, numerical simulation, physical experiments, or field-based monitoring. Submissions exploring the integration of AI-based approaches, remote sensing, and multi-physics coupling in geotechnical water-related problems are particularly encouraged.

We welcome contributions dealing with, but not limited to the following topics:

- Seepage, infiltration, and pore pressure evolution in soils
- Hydro-mechanical coupling in slope, foundation, and retaining systems
- Erosion, internal instability, and piping phenomena
- Smart sensing, data analytics, and early warning technologies. [...]

For further reading, please follow the link below:  
[https://www.mdpi.com/journal/water/special\\_issues/936J4YCS38](https://www.mdpi.com/journal/water/special_issues/936J4YCS38)

### Guest Editor

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### Deadline for manuscript submissions

25 April 2026



## Water

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## About the Journal

### Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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