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Prevention of Groundwater-related Hazards in Geotechnical Engineering and Mining Engineering

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Deadline for manuscript submissions:
closed (1 July 2023)

Message from the Guest Editors

Dear Colleagues,

The prevention and control of goundwater-related hazards and disasters in geotechnical engineering and mining engineering are major scientific and technological challenges. Goundwater-related hazards and disasters can lead to delays in construction or the termination of projects, resulting in huge economic losses.

In this Special Issue, we aim to look into the latest progress on the prevention of goundwater-related hazards and disasters. Contributors are invited to share their original research papers focusing on the topic of the Special Issue.

Potential topics include the following:

- Mechanisms of groundwater-related disasters
- Numerical analysis method for fluid–solid coupling of rock and soil
- Migration controls on groundwater
- Behavior of groundwater in fractured rocks
- Groundwater–rock interactions in geotechnical structures
- Multi-source information identification of groundwater-related disasters
- Disaster prediction and early warning techniques
- Risk assessment and dynamic control for groundwater-related hazards

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Special Issue

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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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