Special Issue

Water-Induced Geo-Disaster Reduction in the Context of Climate Change: Hydrology, Management Strategies, and Ecological Geological Engineering

Message from the Guest Editors

This Special Issue invites contributions from multidisciplinary perspectives to foster a comprehensive understanding of the impact of water on geological disasters. By synthesizing knowledge from climatology, hydrology, geology, engineering, and social sciences, the Issue aims to propose practical solutions to enhance community resilience and sustainability in the face of climate change. **Key Topics:**

- Understanding how climate change influences geological processes and hydrological behavior, leading to increased geological disasters, including the evolution of surface and groundwater systems and the response of geophysical and mechanical properties of geological bodies to water;
- Developing adaptive and resilient strategies to mitigate the impact of water on geological disasters and reduce risks, including groundwater system control, ecological restoration, early detection methods, and predictive models;
- Creating models to describe and simulate geological disasters under different climate change projections, integrating climatic, geological, and hydrological data.

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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.

Editor-in-Chief

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