Special Issue

Advancements in Water and Soil Related Disaster Prevention: Exploring Emerging Topics and Innovations

Message from the Guest Editors

Water-related and soil-related hazards are known as natural disasters with high risk, individually or collectively, in that they can cause serious impacts on both civilizations and ecosystems. Water-related hazards like floods and droughts are becoming more severe and frequent under the impact of climate change. The soil-related hazards, like landslides and slope failures, usually occur without any previous notice, often causing property damage and casualties. To secure our resilience from the abruptly changing world, it is necessary to understand the most recent data or techniques in order to prevent these types of disasters in advance. Recently, there have been attempts to advance the conventional hydrological methods based on big data analysis, machine learning, novel statistical methods, etc. In the geotechnical field, innovative sensors have been recently developed to measure the spatiotemporal responses of geomaterials [...] For further reading, please follow the link to the special issue website at: https://www.mdpi.com/journal/water/special_issues/7PYRCR723R

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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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