Special Issue

Water, Geohazards, and Artificial Intelligence

Message from the Guest Editor

The increasing global impact of geohazards, which is connected to ongoing climate change, weathering, hydrological changes, subsidence, a lack of vegetation, and human activities, emphasizes the role of water from different viewpoints and at different scales; these range from microscopic porous media to regional studies, and from modeling based on observed data to laboratory experiments, which appear to be the most promising approaches to water-related geohazards. We would like to invite scientists in this field to contribute to this Special Issue, which will focus broadly on the review, analysis, mapping, prediction, experimentation, susceptibility analysis, monitoring, and modeling of water-related geohazards such as landslides and slope instabilities, as well as the analysis of early-warning definitions based on artificial intelligence findings. We welcome contributions on newly developed monitoring instruments, methods, techniques, and approaches, as well as relevant case studies on water, geohazards, and AI. Topics of interest include: landslides, qanats, slope stabilities, floods, geotechnical hazard mapping, porous media, and their cascading combinations.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2023)

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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

Dr. Jean-Luc PROBST
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