Special Issue

Hydrogeomorphic Hazards: Modeling, Mapping, and Mitigation of Rainfall-Triggered Landslides

Message from the Guest Editors

Rainfall-triggered landslides pose significant hydrogeomorphic hazards, threatening communities, infrastructure, and ecosystems worldwide. This Special Issue, titled "Hydrogeomorphic Hazards: Modeling, Mapping, and Mitigation of Rainfall-Triggered Landslides," seeks to advance interdisciplinary research on the prediction, assessment, and management of these hazards. We invite contributions that explore innovative approaches in numerical and statistical modeling, high-resolution mapping techniques, and risk mitigation strategies for landslides induced by extreme or prolonged rainfall events.

By compiling cutting-edge research, this Special Issue aims to bridge gaps between theoretical developments and practical solutions, fostering resilience against rainfall-induced slope failures. It will contribute to the existing literature by integrating emerging technologies, multi-scale assessments, and transdisciplinary frameworks to enhance landslide risk reduction.

We welcome original research articles, reviews, and methodological advancements from geomorphologists, hydrologists, geotechnical engineers, and disaster risk management experts.

Guest Editors

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Dr. Gianfranco Nicodemo

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Deadline for manuscript submissions

20 February 2026

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/250150

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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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