

Special Issue

Monitoring, Modelling, Assessment and Mitigation of Debris Flow Hazards

Message from the Guest Editors

Debris flow hazards represent dynamic and devastating natural phenomena that pose significant risks to communities, infrastructure, and ecosystems. These events occur when large volumes of water, sediment, and debris cascade rapidly down steep slopes, triggered by intense rainfall, snowmelt, volcanic eruptions, seismic activities, or a combination of these factors. This Special Issue on “Monitoring, Modelling, Assessment and Mitigation of Debris Flow Hazards” aims to be a comprehensive platform that explores innovative approaches, methodologies, technologies, and case studies related to debris flow hazards in diverse geographical settings. This Special Issue will cover a wide range of research topics, including monitoring techniques, advanced numerical modelling, hazard assessment, vulnerability analysis, mitigation strategies, and lessons from historical events. [...] For further reading, please follow the link to the Special Issue Website

at: https://www.mdpi.com/journal/water/special_issues/N8JLRTOPD6

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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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