

Special Issue

Slope Stability Analyses and Landslide Risk Assessment Under Hydrodynamic Action, 2nd Edition

Message from the Guest Editors

This Special Issue aims to record a diverse range of studies that address the complexities of slope stability and landslide risk using various new approaches, such as analytical and numerical models, remote sensing technologies, machine learning algorithms, artificial intelligence, geospatial data analysis, etc. **Particular attention will be given to investigations of hydrodynamic actions, including rainfall infiltration, groundwater flow, reservoir water level fluctuations, river and coastal processes, wave actions on slopes, pore pressure variations and seepage effects, and their influence on slope deformation, failure mechanisms, and landslide susceptibility.** We also welcome detailed analyses and lessons learned from specific case studies of landslides, water erosion, and sediment transport for their monitoring, prewarning, prevention, and mitigation. **Studies that improve the understanding, modeling, and prediction of hydrodynamic processes and their role in triggering or accelerating slope instability are especially encouraged.** We look forward to your submissions and to advancing the knowledge in this field.

Guest Editors

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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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