

Special Issue

Geotechnics and Geostructures Modelling for Hydrodynamic-Driven Landslides: Prediction and Control

Message from the Guest Editors

Hydrodynamic-driven landslides, induced by seepage forces from rainfall or reservoir water level fluctuations, have emerged as a prominent area of geohazard research. The function of water within the landslide mass is highly significant. Consequently, attaining high-precision predictions and the efficient control of landslides necessitates an extensive knowledge of water within the landslide. For this purpose, this Special Issue provides a platform for the publication of advancements focused on numerical simulation, mechanical analysis, and constitutive development related to hydrodynamic-driven landslide processes. Meanwhile, we welcome the use of advanced monitoring technologies and artificial intelligence methods to conduct research on the prediction and prevention of hydrodynamic-driven landslides. We anticipate that this Special Issue will encompass a diverse and high-quality collection of articles that can contribute to the knowledge and scientific progress in this field. By sharing innovative research and methodologies, we aim to enhance the understanding of hydrodynamic-driven landslides and improve the effectiveness of landslide risk management strategies.

Guest Editors

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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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