

## 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

Dr. Qinwen Tan

Dr. Kun Fang

Dr. Tao Wen

### Deadline for manuscript submissions

30 December 2025



## Water

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/228294](https://mdpi.com/si/228294)

*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

[mdpi.com/journal/  
water](https://mdpi.com/journal/water)





# Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/journal/  
water](https://mdpi.com/journal/water)



## About the Journal

### 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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR  
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique  
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,  
Toulouse, France

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)