

## Special Issue

# Hydrological Hazards: Monitoring, Forecasting and Risk Assessment

### Message from the Guest Editors

Given the significant impacts of hydrological hazards on societies and economies, this Special Issue focuses on recent technological advancements and scientific insights aimed at improving our understanding of hydrological hazards and our capacity to manage these extreme phenomena, including the following topics:

- Hydroinformatics, cutting-edge technologies in hydrological and hydraulics data analysis, and flood and/or drought analysis;
- Methodologies for predicting and preventing extreme hydrological events;
- Early warning and forecasting systems;
- Comprehensive risk management strategies;
- Advanced modelling approaches for hydrological and hydrodynamic simulations and predictions;
- Sustainable water resources management;
- Hydrological monitoring systems;
- Innovative remote sensing and GIS analysis for hydrological hazards;
- Effects of climate change and land-use/land-cover changes.

Original research articles; analytical, conceptual, and experimental studies; and state-of-the-art contributions focusing on monitoring, forecasting, and methodologies for predicting and preventing extreme hydrological events and risk assessment are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

31 August 2025



## Water

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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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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