

## Special Issue

# Advances in Hydroinformatics and Geo/Statistics for Modelling and Risk Assessment of Water Systems

### Message from the Guest Editors

Guaranteeing security in order to cope with water risks (mainly floods and droughts) is essential not only to preserve and maintain the environment but also to protect socio-economic activity. However, population growth and its associated economic needs, as well as the evident modifications of the hydrological cycle patterns resulting from increasing climate variability, are seriously compromising the achievement of these objectives. In the face of this global challenge, new approaches and advances in the fields of hydroinformatics and geostatistics can help to improve the assessment of these increasingly systemic natural hazards. This Special Issue is focused on improving risk assessment in water systems, covering a wide range of topics, including the spatio-temporal hydrological-hydraulic analysis of risk induced by sudden and extreme events, advances in the modelling of water systems, advances in the forest restoration and/or development of nature-based solutions to mitigate the effects of floods, innovative methodologies for time series analysis, new developments based on EPIC responses, or drought characterization, among other things.

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### Guest Editors

Dr. Santiago Zazo

Prof. Dr. José-Luis Molina

Dr. Carmen Patino-Alonso

Dr. Fernando Espejo

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### Deadline for manuscript submissions

30 October 2025



## Water

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## 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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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