

Special Issue

Advances in Hydrological, Hydraulic and Morphodynamic Modelling

Message from the Guest Editor

This Special Issue invites high-quality research contributions that advance the state of knowledge in hydrological, hydraulic, and morphodynamic modelling, with a particular emphasis on sustainable, data-driven, and computationally enhanced approaches. Papers should explore innovative modelling techniques, new analytical frameworks, and emerging applications that support resilient water management and climate-adapted infrastructure planning.

Topics of interest include, but are not limited to, the following:

Sustainable and integrated catchment management, Green infrastructure, Stormwater management, Hydrological extremes and GEV flood-frequency analysis, Advances in hydraulic modelling, Morphodynamic modelling.

This Special Issue aims to bring together interdisciplinary work that supports next-generation water management strategies, strengthens predictive capability, and enhances the robustness of modelling tools used by researchers, practitioners, and policymakers.

Guest Editor

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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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