Special Issue

Analysis and Simulation of Urban Floods

Message from the Guest Editor

The purpose of the titled Analysis and Simulation of Urban Floods Special Issue is to provide a platform for researchers, practitioners, and policymakers to share their latest findings and practical solutions for managing urban flooding.This Special Issue will situate itself within the existing literature by building on the foundational theories and models of urban flooding while also introducing novel approaches and technologies like informatics, data science, high-performance modeling, and AI. We invite contributions that employ computational models, innovative techniques, and case studies that highlight the efficacy of new strategies in diverse urban settings. By bridging the gap between traditional hydraulic–hydrological modeling and emerging simulation technologies, this issue will contribute to a more holistic and adaptive approach to urban flood management.

Guest Editor

Dr. Jiada Li

1. New York State Department of Health, Albany, NY 12204, USA
2. Department of Civil & Environmental Engineering, Colorado State University, Fort Collins, CO, USA

Deadline for manuscript submissions

closed (20 August 2025)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.7

mdpi.com/si/212069

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.7

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)

MDPI