water

IMPACT FACTOR 3.0

CITESCORE 6.0

an Open Access Journal by MDPI

A Safer Future—Prediction of Water-Related Disasters

Guest Editor:

Dr. Wei Sun
School of Geography and Planning, Sun Yat-Sen University, Guangzhou, China

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editor

Many water-related disasters, such as floods, storms, landslides, and droughts, occur around the world every year. The accurate and timely prediction of these disasters can not only protect people from injury and death but also reduce the property damage and economic losses caused by these disasters. This Special Issue will be beneficial to advance of state-of-the-art prediction methods, our understanding of disaster mechanisms, and the building of a safer future. The topics include, but are not limited to:

Reviews on techniques for the prediction of water-related disasters;
Applications of machine learning or physical models to the prediction of extreme hydrological events;
Hydrological simulation on local and global scales;
Spatial and temporal simulation of water-related disasters;
Real-time, short-, middle- and long-term forecasting of hydrological time series;
Coupling simulation of hydrological and meteorological processes;
Prediction of water-related disasters under a changing environment;
Prediction of flash floods, urban flooding, and coastal (estuarine) floods;
Simulation and risk analysis for open-water and ice-jam flooding;
Landslide susceptibility mapping.

water

IMPACT FACTOR 3.0

CITESCORE 6.0

an Open Access Journal by MDPI

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

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.

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)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI