

Special Issue

Extreme Floods and Droughts under Future Climate Scenarios

Message from the Guest Editors

Hydroclimatic extremes such as floods and droughts affect all aspects of our lives and the environment, including energy, hydropower, agriculture, transportation, urban life, and human health and safety. For many geographic regions, climate projections indicate that the risk of increased flooding and/or more severe droughts will be higher in the future than today. On the other hand, the large uncertainty of projected hydroclimatic extremes makes it very challenging to design planning and management measures that would account for their trends. There is an increasing need for water researchers and practitioners to address these concerns. This Special Issue calls for innovative manuscripts with a focus on projected hydroclimatic extremes and their impacts. Topic examples include the following:

- Uncertainty analysis and/or quantification of projected hydroclimatic variables
- Urban floods, droughts, and resiliency planning for extreme events
- Water supplies
- Effects of climate change on water quality
- Other (e.g., socioeconomic, demographic, regulatory, planning and management) aspects of projected floods and droughts

Guest Editors

Prof. Dr. Momcilo Markus

Prof. Dr. Ximing Cai

Assoc. Prof. Dr. Ryan Sriver

Deadline for manuscript submissions

closed (20 March 2019)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/17971

Water

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

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://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)