



water



an Open Access Journal by MDPI

## Management of Hydrological Extremes: Floods and Droughts

Guest Editors:

**Dr. João Filipe Santos**

Civil and Environmental Engineering, Polytechnic Institute of Beja, 7800-309 Beja, Portugal

**Prof. Dr. Maria Manuela Portela**

Instituto Superior Técnico (IST), Civil Engineering Research and Innovation for Sustainability (CERIS), Lisbon University, Lisbon, Portugal

**Prof. Dr. Inmaculada Pulido-Calvo**

Dpto. de Ciencias Agroforestales, Escuela Técnica Superior de Ingeniería, Universidad de Huelva, 21007 Huelva, Spain

Deadline for manuscript submissions:

**closed (15 December 2019)**

### Message from the Guest Editors

The management of extreme hydrological phenomena such as droughts and floods is assumed to be an important concern to all human civilization. Since they are global natural hazards that are being intensified by climate variability and constitute a threat to increasingly scarce freshwater, it is important to develop knowledge to support risk management and adaptation planning.

The Editor of this Special Issue would like to invite original research contributions that emphasize the following areas:

- Water governance and regulatory processes regarding the management of hydrological extremes;
- Preparedness systems and disaster warning.
- Risk assessment concepts for hydrological extremes that could innovate in respect to the limitations of current methods and assessment practices;
- An assessment of value of the information on hydrological impacts to relevant stakeholders and decision makers at regional scale using case studies;
- Risk management.
- The vulnerability of water resources systems to extreme hydrological events using case studies.



[mdpi.com/si/24910](https://mdpi.com/si/24910)

Special Issue



*water*



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 (Water Science and Technology)

## Contact Us

---

Water Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)