

Special Issue

Numerical Simulations and Modelling of Extreme Flood Events

Message from the Guest Editors

The world is experiencing one of the most intense flood-rich periods in the last few decades as a consequence, as many studies have shown, of climate change. Consequently, the number of extreme flood events, both flash-floods and fluvial-floods, are currently increasing worldwide both in frequency and intensity. The unpreparedness of civilians to face unexpectedly frequent, severe and spatially extended floods will increase the number of people affected by these events. One of the latest examples of these kind of events was registered in July, 2021 in Germany and Belgium, where more than 150 people died as a direct consequence of floods. Therefore, understanding these extreme events is crucial to increase preparedness, improve flood mitigation and, of course, to adapt to new scenarios derived from climate change. We would like to invite contributions on different areas of interest as numerical simulation, historic reanalysis, future projections... that can be related with aim of this Special Issue. We hope these contributions will improve the general knowledge and help to face the challenges derived from this new scenario.

Guest Editors

Dr. José González-Cao

Dr. Orlando Garcia Feal

Dr. D. Fernández-Nóvoa

Deadline for manuscript submissions

closed (28 February 2023)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.8



mdpi.com/si/92144

Water

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 5.8



[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 (Water Science and Technology)