Special Issue

Advances in Flood and Drought Disaster Forecasting and Early Warnings through Integrating Hydrological and Hydrodynamic Models

Message from the Guest Editors

Nature hazards including floods, droughts and related disasters such as landslides, debris flows, etc., have been significantly eroding the sustainability of communities, societies and livelihoods. The objective of this Special Issue is to motivate the exchange of experiences among hydrological–hydrodynamic modelers, communities of disaster forecasting and early warning systems for floods and droughts, and decision-makers based on their present work for coping with climate change. We invite you to submit your work to this Special Issue, including but not limited to research on:

- Catastrophic flood and drought events;
- Recent advances in hydrological and hydrodynamic models.
- Recent advances in flood and drought forecasting and early warning technology
- Hydrological and hydrodynamic model application in estimating or forecasting floods and droughts risk;
- Influences of climate change on floods and droughts;
- Integrated risk management of floods, droughts and secondary disasters;
- Spatial and temporal variation and characteristics of recent floods and droughts;
- Impact analysis of flood/drought secondary disasters;
- Copying with disasters based on communities.

Guest Editors

Dr. Ronghua Liu
Dr. Xiaolei Zhang
Dr. Han Wang

Deadline for manuscript submissions

closed (31 March 2024)

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

mdpi.com/journal/water

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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

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