water

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

CITESCORE 5.5

Flood Inundation Modelling and Assessment of Current and Future Flood Risk

Guest Editors:

Dr. Fazlul Karim
CSIRO Land & Water, Commonwealth Scientific and Industrial Research Organisation, Canberra, ACT 2601, Australia

Dr. Catherine Ticehurst
CSIRO Land & Water, Commonwealth Scientific and Industrial Research Organisation, Canberra, Australia

Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

It is well recognised that floods are one of most deadly natural disasters on Earth. Improved knowledge of flood inundation, frequency, and duration is a prerequisite for disaster management, infrastructure development, and maintaining environmental integrity. An improved flood management strategy considers floodplain inundation mapping as an essential part of river basin management from engineering, ecological, and environmental perspectives. We are inviting original research articles that contribute to the continuing efforts of understanding complex hydrological and hydraulic processes, the accurate estimation of flood inundation for historical events, and plausible prediction of changes in inundation dynamics under projected future climate and infrastructure development. This Special Issue also welcomes manuscripts on uncertainty analysis and the application of flood modelling to support decision making.

water

IMPACT FACTOR 3.4

CITESCORE 5.5

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST
Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, 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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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