water

IMPACT FACTOR 3.0

CITESCORE 5.8

an Open Access Journal by MDPI

Advanced Hydrologic Modeling in Watershed Scales

Guest Editors:

Prof. Dr. Dengfeng Liu
School of Water Resources and Hydropower, Xi'an University of Technology, Xi'an 710048, China

Dr. Hui Liu
China Institute of Water Resources and Hydropower Research, Beijing 100038, China

Dr. Xianmeng Meng
School of Environmental Studies, China University of Geosciences, Wuhan 430074, China

Deadline for manuscript submissions:
closed (30 October 2022)

Message from the Guest Editors

Hydrologic modeling in the watershed scale is a key topic in the field of hydrology. The hydrological model is an important tool to understand the impact of climate change and human activities on rainfall–runoff processes, and especially on water resources for human beings in a changing environment. In this Special Issue, we invite original research articles that contribute to new progress in the hydrological modeling in the watershed scale under global changes. Among the topics of interest for this Special Issue are:

- Application of new datasets and methods in hydrological modeling;
- New process representation in hydrological modeling;
- Progress of parameter estimation;
- Interaction of hydrological processes to ecological processes and social processes and their co-evolution processes;
- Coupled modeling of surface water and groundwater;
- Flood and drought based on hydrological modeling;
- Flux observation in the validation of hydrological modeling;
- Isotopic tracing in the validation of hydrological modeling;
- Role of macropore flow or preferential flow in the hydrological process;
- Sediment and other mass transport in the hydrological proces...

mdpi.com/si/93141

Special Issue

water

IMPACT FACTOR 3.0

CITESCORE 5.8

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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