

Special Issue

Advanced Hydrologic Modeling in Watershed Scales

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 process.

Guest Editors

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Dr. Hui Liu

Dr. Xianmeng Meng

Deadline for manuscript submissions

closed (30 October 2022)



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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

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