Special Issue

Hydrological Modelling and Hydrometeorological Extreme Prediction

Message from the Guest Editors

Hydrological modeling plays an extremely important role in the water resources management, agricultural irrigation, climate and ecological environment change research. Hydrological processes are influenced by complex weather and non-linear infiltration mechanisms, which are difficult to model and thus, reliable hydrological modeling remains a challenge. Research hotspots include large sacle flood forecasting, remotely sensed data use, hydrometeorological extreme analysis, and hydrological simulation in areas with no observation data. Recently new technologies and methods have also been used in hydrological simulation, such as satellite remote sensing technology, big data mining technology, artificial intelligence, etc. We sincerely invite the authors to contribute original review and research manuscripts focused on developing and improving hydrological modeling and investigating their application in water cycle as well as hydrometeorological extremes under changing climate.

Guest Editors

Dr. Lei Ye

Prof. Dr. Shuang Zhu

Dr. Weihong Liao

Deadline for manuscript submissions

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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

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