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Impacts of Climate Change on Hydrology and Water Resources

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Deadline for manuscript submissions:
closed (20 February 2024)

Message from the Guest Editors

The theme of this Special Issue is "Impacts of Climate Change on Hydrology and Water Resources", focusing on the impact of climate change on regional hydrological resources, further improving simulation accuracy, and improving the research system related to the impact of climate change on water resources. High-quality research papers on observed and projected changes during the 21st century in the different components of the hydrological cycle affecting water resources (precipitation, evapotranspiration, streamflow, soil moisture, etc.) are welcome from different spatial scales and methodological approaches (downscaling methods, hydrological modelling, etc.). Papers including the estimation of runoff, extreme events (floods and droughts) and evapotranspiration (ET), along with some of the miscellaneous topics related to hydrology (e.g., the coupling between water cycle components) or impacts on topics such as hydropower or ecosystems, among others, are also of interest.

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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.

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