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Climate and Water: Impacts of Climate Change on Hydrological Processes and Water Resources

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Message from the Guest Editors

Dear Colleagues,

Climate change has become a serious problem around the world. With global and regional climate change, the water cycle and hydrological processes are gradually being changed, which not only affect the natural ecosystem, but also bring great challenges to the utilization of human water resources. Global warming and regional climate change have changed the original atmospheric circulation model, the thermodynamic process of the hydrological cycle, and the space–time process of precipitation and evapotranspiration, thus further affecting the water resources available to human beings and ecosystems. Over the past 20 years, scientists have conducted a lot of research on the impact of climate change on hydrological processes and water resources. However, there is still a lack of systematic understanding of issues such as the mechanism of climate-related hydrological process and the impact of future climate change on the security of water resources.

[...]
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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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