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Climate Change Impact on Hydrological Cycle and Water Resources Management, 2nd Edition

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Message from the Guest Editors

Global warming can alter the hydrological cycle in various ways, such as increased cloudiness and latent heat fluxes, leading to more intensive and frequent precipitation extreme events (e.g., droughts, storms, and floods). These extreme events have received increased attention in the past few decades because of the associated economic losses, deaths, and many other severe consequences for human society. Climate change can also cause significant shifts in the spatial and temporal patterns of precipitation, bringing many unprecedented challenges for water resource management at regional and local scales. In addition to these common hydrological challenges, coastal communities are further threatened by rising sea levels and increasing storm surge as well as erosion. Adapting to these challenges requires a thorough understanding of the potential impacts of climate change from a long-term and systematic perspective.

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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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