Special Issue

Impacts of Climate Change on Water Resources: Assessment and Modeling, 3rd Edition

Message from the Guest Editors

The acceleration of the hydrological cycle may lead to increasingly frequent water-related extreme events, including droughts and floods. The expected changes in water resource availability may result in periodic deficits in the water supplied to the population, as well as shortages in agriculture and forestry, which could entail severe socioeconomic losses. Being aware of these threats and taking action to mitigate their future effects is necessary. Current forecasts of water consumption trends resulting from socioeconomic development and the climatic changes that overlap with them are subject to considerable uncertainty. Climate models (including global circulation of the atmosphere) and demographic and economic development models do not yet enable precise projections of changes in the hydrological cycle and water resource availability. This Special Issue invites researchers to present their results of new findings from the assessment and modeling of hydrological processes and water resources under the conditions of climate change, regularities in their spatiotemporal variability in relation to water management, and the related threats.

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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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