# **Special Issue**

# Impacts of Climate Change on Water Resources: Assessment and Modeling

## Message from the Guest Editors

It is predicted that climate change will significantly affect the spatiotemporal distribution of water resources, leading to the transformation of the water cycle in the catchment and changes in the structure of the water balance. An increase in the occurrence of deep low flows in rivers is expected, which may result in a reduction in surface water and ground water resources. In lowland catchments, evapotranspiration will increase at the expense of water resources, causing there to be a reduction. The acceleration of the hydrological cycle may lead to more and more frequent water-related extreme events including droughts and floods, and the expected changes in water resource availability may lead to periodic deficits in the water supplied to the population, as well as shortages in agriculture and forestry, which may entail severe socioeconomic losses. 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.

#### **Guest Editors**

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#### Deadline for manuscript submissions

closed (30 June 2024)



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## **About the Journal**

## 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

#### Dr. Jean-Luc PROBST

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