Special Issue

Hydroclimatic Modeling and Monitoring under Climate Change

Message from the Guest Editor

The impacts of global warming on the water cycle are accelerating. Floods and droughts are increasingly affecting many regions, some of which were thought to be safe before this century. Thus, it is necessary to assess these impacts on the water cycle and predict the changing effects in the context of the continuous and sustained rise in temperature. These impacts are strongly influenced by human activities. The objective of this Special Issue is to focus on the impact of global warming on the water cycle, placing particular emphasis on river flows and lake water levels. Thus, it will include research papers which highlight the impacts of global warming on the water cycle in relation to anthropogenic activities. The topics of this Special Issue are as follows:

- The analysis of the spatiotemporal variability of the components of the water cycle (rivers and lakes) in the current context of global warming.
- The prediction of these components of the water cycle in the coming decades up to the year 2100 using hydrological and climatic models.
- The impacts of human activities on the amplification or attenuation of global warming on the components of the water cycle.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/133294

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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

Dr. Jean-Luc PROBST
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