

Special Issue

Climatic Change and Variability Impact on Regional Hydrological Regimes and Water Availability

Message from the Guest Editor

The aim of this Special Issue are:

- Trends and variabilities of hydroclimate variables based on observation on regional and global scales.
- Projections of future climate change with general circulation models (GCMs).
- Non-stationary rainfall-runoff relationship due to climate change and variability, as well as human activities including land use and land cover changes and water use.
- Distinguishing and attributing the impacts of climate variability and changes and human activities on regional and global hydrological regimes and water availability.
- Modelling climate and hydrological extremes.
- Water demand changes due to a higher temperature.
- Policy and schemes adaptations of water planning and management to climate change and variability.
- The changes and variations of climate drivers and weather types under global climate change scenarios and/or their hydrological applications.
- Hydrological processes, such as a higher risk of bush fires due to higher temperature and its impacts on both water quality and water quantity. Snowmelt and glacier melt due to higher temperature are essential for hydrological regimes on high latitude and mountain regions.

Guest Editor

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Deadline for manuscript submissions

closed (30 January 2024)



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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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