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Climate Change Effects on Hydrological Processes, Water Resources, Ecosystems and Agriculture

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Deadline for manuscript
submissions:

closed (15 October 2020)

Message from the Guest Editor

Increase in the mean global temperature, and especially the increased intensity and frequency of extreme weather events in the recent decades, have led to world-wide awareness and concerns about climate change.

In this special issue of *WATER*, we seek research contributions focused on climate change effects on hydrological processes, water resources, ecosystems and agriculture. We aim to cover a wide range of recent climate change studies on the storage, movement and variability of water resources in the high mountain ranges (or water towers) of the world. Studies focused on the resulting alterations to the eco and agricultural systems in the downstream areas of the watersheds are equally welcome. Analyses should be based on realistic data observed at the fine local and regional scales in the human occupied areas rather than at the global scale and in the polar areas which have been largely covered by IPCC. Research methods can be either based on down-scaling of the general circulation models (GCMs), or applying the watershed models to local landscape and climate conditions.

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Special Issue



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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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