Special Issue

Hydrology and Climate Change

Message from the Guest Editor

Climate change affects both input and output components of the hydrological cycle. In response to the warming climate, the hydrological cycle is expected to intensify, resulting in the increased intensity and duration of extreme events such as floods, droughts, forest fires and heatwaves. Water is critical to life, and many of the effects of climate change on aquatic and terrestrial ecosystems are mediated through altered hydrology. This Special Issue of *Water* is devoted to promoting advances in global research into changes in precipitation and evapotranspiration patterns, the size of snow and glacier mass, soil moisture levels, rates of runoff and stream flow, meteorological/hydrological/ecological droughts, water scarcity, the impact of climate change on ecosystems, vulnerability assessment, advances in remote sensing technology for hydrological signatures, and adaption to climate change. Pertinent examples of topics for this Special Issue include the increase of agricultural and ecological droughts, [...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/89ST82SM5X

Guest Editor

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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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