

## Special Issue

# Climate Change Impacts on Hydrological Processes and Water Resources of Local Watersheds

### Message from the Guest Editor

Air temperature is projected to increase in the future due to greenhouse gases accumulated in the atmosphere, and such a change is expected to alter rainfall patterns with significant implications on hydrological processes and water resources. The potential impacts of projected climate change may be significantly different depending on spatial scales. Small local watersheds whose hydrological responses tend to be dominated by direct runoff may more quickly and directly react to changes in rainfall patterns. Besides, many water resources development and management are carried out at local watershed scales. However, such scales have not been a primary focus of climate change impact studies presumably due to the discrepancy between the spatial resolutions of climate and hydrological modeling and associated uncertainty. The small spatial scale analysis of climate change impact requires detailed information on watershed management practices as well as the improvement of climate projection accuracy and precision.[...] For further reading, please follow the link to the Special Issue Website at:  
[https://www.mdpi.com/journal/water/special\\_issues/climate\\_hydrological\\_processes](https://www.mdpi.com/journal/water/special_issues/climate_hydrological_processes)

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2022)



## Water

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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