Special Issue

Hydrological Extreme Events and Climate Changes

Message from the Guest Editor

Since 1950, a significant increase in the severity, duration, and frequency of droughts as well as an increase in the intensity and frequency of extreme rainfall modulated by large-scale atmospheric circulation has been observed in different regions of the planet. The intensification of these latter extreme events also affects regions subject to more pronounced drought conditions, highlighting an amplification of the range of variability of the hydrological cycle. Some studies have also shown there is an intensification of tropical cyclones which are more intense and destructive. There is therefore a strong interest in developing studies to explore the climate related causes of such hydrological cycle changes and methods to forecast hydrological extremes events at the different temporal and spatial scales involved: hourly or daily for river or tropical cyclone floods, monthly or seasonal for droughts, decades for climate projections aimed to assess the frequency, magnitude [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/hydrological_extreme_events

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Deadline for manuscript submissions

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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

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