Special Issue

Characterizing, Monitoring and Prediction of Hydrometeorological Extremes under Climate Change 2.0

Message from the Guest Editors

Climate change has altered the hydrological cycle that induces hydrometeorological extremes such as floods and droughts, leading to tremendous impacts on human society and the environment. Determining how to characterize, monitor, and predict/forecast hydrometeorological extremes represents a research hotspot and is crucial for decision making. Compared to the hydrometeorological mean states, the extremes show much more spatiotemporal heterogeneity and are less predictable with larger uncertainties, particularly in the context of climate change. In this Special Issue, we welcome papers focusing on hydrometeorological extremes, including but not limited to flood and drought characterization, monitoring, and prediction/forecasting. Both general methodological contributions and case studies of hydrometeorological extremes across different regions covering a wide range of spatial scales are welcome. For more details, please see: https://www.mdpi.com/journal/water/special_issues/7S2484W8JW

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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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