

Special Issue

Hydrological Extremes and Water Resources Research

Message from the Guest Editors

Heavy precipitations and heatwaves, along with increasing temperature at continental, regional, and basin scales, are exacerbated by global climate change. Subsequently, the frequency and severity of hydrological extremes such as droughts, floods, cyclones, and hurricanes have increased remarkably in recent years.

The simultaneous, coincident, or successive occurrence of such extreme events in a region can exacerbate already adverse impacts compared to one extreme individual event. Such extreme events could have long-lasting consequences on society, the natural environment, and ecosystems. A bottom-up and top-down approach to predicting, preventing, and mitigating such extremes is needed for scientific and non-scientific communities to advance water resources research. It is crucial to promote and adopt smart policies and practices to manage water resources considering the possible extreme events. A specific challenge that remains unanswered in this context is how to predict and model the physical process and cope with people's behavior. For more details, please see:

https://www.mdpi.com/journal/water/special_issues/Hydrological_Extremes_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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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