

Special Issue

Risks of Hydrometeorological Extremes, 2nd Edition

Message from the Guest Editors

This Special Issue aims to consolidate the latest research and advancements in understanding, predicting, and mitigating these extreme events. By integrating perspectives from climatology, hydrology, meteorology, and environmental science, this Special Issue seeks to highlight the complex relationships between atmospheric conditions that trigger hydrometeorological extremes and terrestrial impacts. We are particularly interested in interdisciplinary approaches on all scales (local, regional, and global) that combine advancements in modelling and forecasting techniques, including machine learning, to better predict these events; risk assessment methodologies to assess the dangers that they pose; and innovative strategies for resilience and adaptation to help societies and ecosystems withstand them. The characterization and prediction of hydrometeorological events and their impacts on agriculture, ecosystems, and human systems; Drivers of hydrometeorological extreme events; Socio-economic dimensions of these hazards, including vulnerability assessments, resilience-building measures, and policy implications.....

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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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