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Hydro-Meteorological Hazards under Climate Change

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Message from the Guest Editor

Climate change is one of the most significant global challenges of the 21st century. There is an urgent need to better understand the causes, impacts, and mitigation measures of hydro-meteorological hazards under climate change in order to reduce the loss of life and damage to property.

The aim of this Special Issue is to gather contributions on hydro-meteorological extremes studies. The contributions to this Special Issue will encompass a broad spectrum of topics, including, but not limited to:

- Novel approaches to identify hydro-meteorological hazards;
- New observation and modeling tools to understand hydro-meteorological hazards;
- Improvement of hydro-meteorological forecasting across various temporal and spatial scales;
- Assessment of climate change impacts on hydro-meteorological hazards;
- Projection of hydro-meteorological hazards and potentially devastating consequences;
- Development of mitigation measures of hydro-meteorological disasters;
- Quantification of uncertainties in hydro-meteorological hazard assessment.



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Special Issue



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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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