



climate



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Extreme Precipitation and Responses to Climate Change

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Message from the Guest Editors

Against the backdrop of global warming, the melting of glaciers, rising sea levels, and the escalation of various extreme events have become increasingly prevalent. It is critically important for us to reveal the changes in extreme weather and its causal mechanism through observations and models.

In this context, understanding the variations in the frequency and intensity of global extreme precipitation events is of paramount importance for enhancing our capacity to address catastrophic weather occurrences. This Special Issue aims to unveil the changes in and underlying patterns of extreme precipitation events in different global regions, a theme that is closely aligned with the overarching theme of climate in this journal.

We invite submissions of research articles on the following topics:

- Extreme precipitation, high temperatures, cold waves, snowfall, hail, and other high-impact weather events;
- Trends in extreme weather changes;
- Mechanisms of extreme weather events;
- High-impact weather forecasting, warning technologies, and assessment.



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Special Issue