



climate



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Extreme Precipitation and Responses to Climate Change

Guest Editors:

Dr. Fengjiao Chen

Key Laboratory of Transportation
Meteorology of China
Meteorological Administration,
Nanjing Joint Institute for
Atmospheric Sciences, Nanjing
210041, China

Dr. Xiao Pan

Opening Key Laboratory for
Northeast Cold Vortex Research,
Institute of Atmospheric
Environment, China
Meteorological Administration,
Shenyang 110166, China

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submissions:

closed (31 January 2026)

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



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Editor-in-Chief

Dr. Timothy G. F. Kittel

Institute of Arctic and Alpine
Research, University of Colorado
Boulder, Boulder, CO 80309-0450,
USA

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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Contact Us

Climate Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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