

Special Issue

Climate Extremes and Their Impacts

Message from the Guest Editors

Climate extremes have received more attention due to their profound impacts on human safety, economics, and ecological environment. Natural disasters linked to climate extremes and climate-related risks have severe impacts on human safety. Thus, the factors and mechanisms that impact the occurrence, tempo-spatial distribution, intensity and frequency of various weather and climate extremes, such as floods, heat waves, cold spells, drought, etc., should be examined and revealed. Besides natural process, climate extremes are also affected by human activities, including human water regulation, fast urbanization, greenhouse gas emissions, etc., which should be addressed at a regional scale or globally. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Performance of climate models in simulating climate extremes
- Impacts of human activities on climate extremes
- Mechanisms of climate extremes
- Detecting changes in future climate extremes
- Climate extremes under 1.5 °C and 2.0 °C global warming scenarios

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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