

## 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.

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### Guest Editors

Dr. Peihua Qin

Dr. Zhenhua Di

Dr. Jing Zou

Dr. Shuang Liu

Dr. Bin Liu

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### Deadline for manuscript submissions

closed (30 April 2023)



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### Editor-in-Chief

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