



## Characteristics of Extreme Climate Events over China

Guest Editor:

**Dr. Jie Wu**

China Meteorological  
Administration Key Laboratory  
for Climate Prediction Studies,  
National Climate Center, Beijing  
100081, China

Deadline for manuscript  
submissions:

**10 May 2024**

### Message from the Guest Editor

Dear Colleagues,

In the context of global warming, increasing numbers of extreme climate events are occurring in China, with amplifying intensity and expanding influence. The main objective of this Special Issue is to contribute to our understanding of extreme climate events over China and to provide science-based knowledge and novel approaches to predict extreme events in terms of subseasonal-to-seasonal timescales. We encourage authors to share their opinions, knowledge, and achievements regarding the characteristics, mechanisms, predictability, and prediction methods of extreme events and the influence of human activities and future projection. In particular, the following topics are of great interest:

Multi-scale characteristics of extreme climate events;  
Mechanisms of extreme climate events;  
Predictability and prediction methods;  
Trends of extreme climate events and their interaction with human activities;  
Use of deep learning methods to identify and forecast extreme climate events.

Dr. Jie Wu  
*Guest Editor*



[mdpi.com/si/171677](https://mdpi.com/si/171677)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Ilias Kavouras**

Environmental, Occupational,  
and Geospatial Health Sciences,  
CUNY School of Public Health,  
New York, NY 10027, USA

## Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

**Journal Rank:** CiteScore - Q2 (*Environmental Science (miscellaneous)*)

## Contact Us

---

Atmosphere Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/atmosphere](https://mdpi.com/journal/atmosphere)  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)  
[X@Atmosphere\\_MDPI](https://twitter.com/Atmosphere_MDPI)