Special Issue

Understanding and Forecasting Seasonal Weather and Climate Extreme Events

Message from the Guest Editors

The goal of this Special Issue is to bring together research on the latest advances in understanding and forecasting seasonal weather and extreme climate events. We welcomes original research, review papers, and perspectives on the following topics:

- The role of climate variability and change in driving seasonal weather and climate extreme events.
- Advanced statistical and dynamical modeling techniques for predicting seasonal weather and climate extreme events.
- Understanding the mechanisms that lead to the development and intensification of seasonal weather and climate extreme events.
- Impacts of seasonal weather and climate extreme events on human health, agriculture, and ecosystems.
- Climate services and decision-making tools to support adaptation and mitigation strategies in the face of seasonal weather and climate extreme events.

Guest Editors

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Dr. Dachao Jin

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Deadline for manuscript submissions

closed (9 May 2025)

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About the Journal

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!

Editor-in-Chief

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