# **Special Issue**

# Meteorological Forecasting and Modeling in Climatology

### Message from the Guest Editor

The evolution of meteorological disasters is driven by multiple factors, including short-term weather processes, climate variability, and long-term climate change. Therefore, it is very important and necessary to understand the interaction of these different-scale processes and analyze the impact of climate change on the frequency and intensity changes in meteorological disaster events. This Special Issue aims to collect cutting-edge methods, challenges, and applications in meteorological forecasting, climate modeling, and prediction, promoting the cross-integration of multiscale research and providing scientific support for disaster prevention and mitigation, as well as climate policies. Potential topics include but are not limited to:

- The impact of multiple climate indicators on the change in meteorological events;
- Forecasting and numerical simulation of extreme meteorological events;
- High-resolution numerical weather forecasting and climate prediction;
- Aerosol-cloud-precipitation interaction;
- Cloud microphysics, boundary layer processes, and parameterization schemes;
- Observation and simulation of atmospheric physical processes.

#### **Guest Editor**

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### Deadline for manuscript submissions

28 February 2026



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## Message from the Editor-in-Chief

### Editor-in-Chief

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