

## Special Issue

# Climate and Atmospheric Dynamics and Predictability

### Message from the Guest Editors

The state of the weather and climate is largely defined by the interactions between the various components of the climate system (atmosphere, hydrosphere, land surface, cryosphere, and biosphere). The understanding of the atmospheric and climate dynamics, that is, how the natural laws determine the weather and climate, and their prediction/ projection, are essential for life, property, and environment. [...] The aim of this Special Issue is to comprise review and original observational, theoretical, and modelling studies on the dynamics of the atmosphere and the climate system, as well as on their predictability at different spatiotemporal scales. Topics of interest include, but are not limited to, the following:

- Dynamics of intense/ high impact weather phenomena and low frequency oscillations
- Climate dynamics
- Land/sea-air interaction
- Numerical weather prediction models and data assimilation
- Climate models
- Weather forecasting and climate projection techniques
- Weather and climate model evaluation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2019)



## Climate

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CiteScore 5.7



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## About the Journal

### Message from the Editor-in-Chief

*Climate* (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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### Editor-in-Chief

Dr. Timothy G. F. Kittel  
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### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), GEOBASE, GeoRef, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Meteorology and Atmospheric Sciences) /  
CiteScore - Q2 (Atmospheric Science)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.8 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).