

## Special Issue

# Effects of Climate Change on Ecosystem Behavior Across Varied Environments

### Message from the Guest Editors

Climate change is altering ecosystems worldwide. Understanding ecosystem behavior under climate stress is key to predicting future changes and informing adaptation strategies. This Special Issue examines diverse climate impacts across terrestrial, aquatic, and cryospheric ecosystems. It will highlight both gradual trends (e.g., warming-driven vegetation shifts) and abrupt changes (e.g., tipping points from extreme events), advancing ecosystem-climate interaction understanding. By integrating ecological, climatological, and biogeochemical perspectives, this issue provides insights into the vulnerability and adaptability of ecosystems under accelerating climate change.

Topics of interest include:

Impacts of climate change on biodiversity, species interactions, and ecosystem services;  
Alterations in carbon and nutrient cycling across ecosystems;  
Ecosystem thresholds, resilience, and feedback mechanisms;  
Effects of extreme weather events (e.g., droughts, floods, wildfires) on ecosystem structure and function;  
Modeling and monitoring approaches to assess ecosystem responses to climate stress;  
Nature-based solutions and ecosystem restoration under climate change scenarios.

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### Guest Editors

Dr. Tao Bao  
Dr. Wanying Zhang  
Dr. Ning Chen

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### Deadline for manuscript submissions

31 May 2026



## Climate

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Impact Factor 3.2  
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).