

## Special Issue

# Greenhouse Gas and Climate Change

### Message from the Guest Editors

Greenhouse gas (GHG) emissions are the main cause of anthropogenic climate change. To mitigate global warming, 175 countries signed the Paris Agreement in 2016, which aims to reduce GHG emissions and also to achieve net zero GHG emissions by the second half of this century. Furthermore, to formulate energy conservation and emission reduction policies, the monitoring and accurate estimation of GHG emission from countries, regions, and industries is necessary. To understand the impact of greenhouse gases on climate change, and also to fill the scientific knowledge gap between greenhouse gases and climate change, we organize the Special Issue titled “Greenhouse Gases and Climate Change” in the journal *Climate*. Any papers that are related to greenhouse gases and climate change are warmly encouraged for submission to this issue. Research topics may include either observations and model simulations or the relationship between greenhouse gases and climate change.

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### Guest Editors

Prof. Dr. Wei Xiao

Dr. Cheng Hu

Dr. Qitao Xiao

Dr. Nir Y. Krakauer

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### Deadline for manuscript submissions

closed (30 April 2024)



## Climate

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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).