

Special Issue

Climate Change Responses and Mitigation at Technical, Economic, and Social Interfaces

Message from the Guest Editors

Climate change necessitates integrated responses with technical, economic, and social components. However, the current and near-term effects of climate change on social systems are poorly understood. Closing that knowledge gap is essential to creating mitigation and adaptation plans that work at the technical and policy levels.

It aims to close the knowledge gap across these fields and promote a deeper comprehension of the intricate relationships that influence mitigation and response strategies to climate change. We invite submissions that address the following topics:

- The impact of new trends (technologies, wellbeing, circular economy, etc.) on climate change.
- Climate change adaptation/mitigation and energy economy transitions.
- Advanced economic models capturing the interactions of climate–economy–technology–human beings.
- Empirical evaluation of climate and human society.
- GHG emission reduction strategies.
- Climate change data analytics for sustainable policies.
- Risk management, resilience, and sustainable development.
- Decision–making and decision–support systems for human society.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



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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).

Editor-in-Chief

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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).