

Special Issue

Climate Change and Transport System

Message from the Guest Editors

More greenhouse gases are released into the atmosphere by the transportation sector than by any other, contributing significantly to global warming. Climate change presents significant challenges to transportation systems, rising temperatures and extreme weather events, in turn, can cause harm to infrastructure, disrupt transportation systems. The SI focuses on the interaction between transport and urban climate. It includes, but is not limited to:

- The impact of delivery services and last-mile logistics on urban climate
- Model-based scenario analysis for city-wide low emissions analysis
- The health impacts of transportation and climate change
- Resilience in integrated urban transport
- Analytical methods and techniques for modeling transport impacts on the urban climate
- Digital twinning of urban areas for climate change research
- Assessment of climate threats to transportation infrastructure
- Modelling and analyzing of the nexus between transportation, air pollution, and climate change
- Decision-support tools for transport and climate change
- The impacts of climate change on transportation infrastructure
- Adaptation strategies and mitigation measures
- Policy and governance

Guest Editors

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Deadline for manuscript submissions

31 May 2026



Climate

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.7



mdpi.com/si/230974

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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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Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), 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 21.6 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).