

Special Issue

Understanding Urban Climate: Impacts, Adaptation, and Resilience

Message from the Guest Editors

Urban areas are facing an increasing number of challenges related to climate change. These hazards disproportionately impact historically marginalized communities due to legacies of systemic environmental and economic injustice. This Special Issue seeks to advance our understanding of urban climate dynamics and support adaptation strategies that foster resilience and equity. We particularly encourage the submission of papers that focus on mid-sized cities and metropolitan regions, areas. We are interested in original research, case studies, methods papers, and community-engaged scholarship that aligns with the journal's focus on coupled human–environment systems, particularly those that integrate physical, social, and health data. Suggested themes include the following: Urban heat islands and air pollution interactions. Climate and landscape impacts of discriminatory planning (e.g., redlining). The remote sensing and modeling of urban heat, flooding, and air quality. Social vulnerability, health outcomes, and environmental justice. Participatory resilience strategies and tools for adaptation. Comparative studies of large and small cities and urban–suburban gradients.

Guest Editors

Dr. Stephanie Spera

Department of Geography, Environment, and Sustainability, University of Richmond, Richmond, VA 23233, USA

Dr. Todd R. Lookingbill

Department of Geography, Environment, and Sustainability, University of Richmond, Richmond, VA 23233, USA

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Climate
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
climate@mdpi.com

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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

Dr. Timothy G. F. Kittel
Institute of Arctic and Alpine Research, University of Colorado Boulder,
Boulder, CO 80309-0450, USA

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Journal Rank:

JCR - Q2 (Meteorology and Atmospheric Sciences) /
CiteScore - Q1 (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).