

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.

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Deadline for manuscript submissions

30 April 2026



Climate

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.7



mdpi.com/si/250946

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Editor-in-Chief

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