

Special Issue

Microclimate Variations and Urban Heat Island

Message from the Guest Editors

With urbanization and the changing of the urban landscape, the local climate is modified. Most urban areas become warmer during the summer because of the change in the landscape and the resulting urban heat island (UHI). On top of that, urban dwellers face the cumulative effects of global warming and UHI. The focus of this Special Issue is collecting recent research on the urban microclimate, the factors that affect it, the relationship with the urban heat island, and new knowledge of the urban climate that is relevant when realizing community design for urban climate resilience. The specific focus of the SI is the microclimate below the urban canopy, with an emphasis on measures to improve outdoor comfort to achieve a comfortable and healthy urban life and ecology.

Guest Editors

Prof. Dr. Hashem Akbari

Building, Civil and Environmental Engineering, Concordia University,
Montréal, QC, Canada

Prof. Dr. Toshiaki Ichinose

Social Systems Division, National Institute for Environmental Studies,
16-2 Onogawa, Tsukuba-City, Ibaraki 305-8506, Japan

Deadline for manuscript submissions

closed (15 June 2023)



Climate

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.7



mdpi.com/si/126811

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

[mdpi.com/journal/
climate](https://mdpi.com/journal/climate)





Climate

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.7



[mdpi.com/journal/
climate](https://mdpi.com/journal/climate)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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

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).