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

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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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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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