

Special Issue

Urban Microclimate Monitoring, Mitigation and Adaptation

Message from the Guest Editors

The scope of this Special Issue is to present, through the published articles, new datasets and assessments from cities with different spatial/population scales and that are located in different climates, show new methods and techniques of microclimate monitoring, see how microclimate monitoring can be integrated in the public early warning systems of cities, how microclimate datasets contribute to mitigation and adaptation actions (strategies, action plans, etc.), or how useful are microclimate datasets as an input for climate modelling (e.g., WRF, MUCLIMO, PALM-4U). Therefore, the topics of interest include, but are not limited to: - Microclimate assessments based on in situ or mobile measurements; - New methods and techniques of microclimate monitoring; - Development of sensors/networks, IoT sensing; - Application to citizen sciences and early warning systems; - Microclimate datasets contribution to urbanization, public health, traffic, etc.; - Application in climate modelling.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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