



climate



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Microclimate Variations and Urban Heat Island

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Message from the Guest Editors

Dear Colleagues,

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.

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Special Issue