



Urban Microclimate

Guest Editor:

Prof. Dr. Michael Bruse

Johannes Gutenberg Universität
Mainz, Department of Geography,
Mainz, Germany

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Message from the Guest Editor

With growing interest in sustainable cities and an increased awareness of climate change implications, the investigation of the urban microclimate has become a mandatory component in urban planning and architectural design. In particular, the parameters outdoor thermal comfort, air quality, and modification of energy fluxes are integrated components in many planning processes, and there is a growing demand to understand the interactions between local environmental design and local microclimate.

This Special Issue of *Atmosphere* will provide an overview of the different aspects of urban microclimate in the areas of urban planning, architectural design, and landscape architecture. It is designed to provide insight into recent research approaches in field experiments, numerical modelling, and integrated planning and design approaches.





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Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences
and Climate (ISAC), National
Research Council (CNR), Str. Prv.
Lecce-Monteroni km 1.2, 73100
Lecce, Italy

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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