

## Special Issue

# Strategies for Mitigation and Adaptation to Urban Heat

### Message from the Guest Editors

Across the world, urban environments are exposed to extreme heat events under the combined effects of global climate change and the urban heat island phenomenon. Due to the efforts of researchers over the years, we now have a variety of potential mitigation and adaptation measures for high temperatures in urban areas. For example, mitigation measures include the use of cool roofs, green roofs, cool pavements, green parking, water-retaining pavements, and urban ventilation, while adaptation measures include the use of sunshades, misting, sprinklers, water surfaces, green covers, water-retaining pavements, and air circulation. These achievements are reaching the phase of implementation in real urban spaces. In the implementation phase, it is necessary to overcome new issues and various challenges. For this Special Issue, we invite the submission of various achievements in prediction, evaluation, and verification at each stage of the planning, design, and operation of the implementation of mitigation and adaptation measures.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 January 2023)



## Atmosphere

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## About the Journal

### 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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### Editor-in-Chief

Dr. Daniele Contini

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