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Urban Green and Blue Infrastructures for Heat Mitigation

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Deadline for manuscript submissions:
closed (31 July 2023)

Message from the Guest Editors

Dear Colleagues,

We earnestly invite you to submit your papers on the subject of urban green and blue infrastructures for heat mitigation to the journal *Atmosphere*.

We look forward to your submissions showcasing new insights into the cooling effects of urban green and blue space, with the aim of answering new environmental challenges and scientific problems.

The topics include, but are not limited to:

- The cooling effects of different green and blue landscape elements.
- What are the key factors that affect the cooling effect of urban green and blue spaces?
- How do urban green and blue spaces modify the climate at different scales?
- Effect of urban green and blue space on thermal comfort.
- Thermal environmental effects of vertical greening (green roofs, green walls, and green facades).
- Application of new technology, new methods, and new equipment (such as big data, deep learning, and unmanned air vehicles) in the study of the cooling effect of urban green and blue
- Strategies for climate-sensitive urban green and blue space design.

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Special Issue

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Editor-in-Chief

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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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