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Remote Sensing of Urban Climate

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Deadline for manuscript submissions:
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Message from the Guest Editors

Urbanization is developing rapidly. As a global event, urbanization is changing the properties and energy balance of Earth's surface and is having a significant impact on urban climates. As a result, urban climate ecological services are facing unprecedented challenges. With the fast process of urbanization, a variety of urban environmental problems have emerged, such as the urban heat island effect and urban air pollution. Urban climate research involves multidisciplinary theoretical methods such as urban geography, urban climatology, and urban ecology. This Special Issue seeks to couple spatial location and radiation energy balance, a comprehensive application of multi-source remote sensing data, GIS spatial analysis, and related climate models to obtain the latest research results on urban climates.

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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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