Special Issue

Urban Carbon Emissions

Message from the Guest Editors

With rapid urbanization worldwide, the amount of carbon emissions generated by urban activities has been rapidly increasing, which can have a significant impact on the global climate and environment. The study of urban carbon emissions helps to better understand the sources and characteristics of these emissions, to develop appropriate policies and measures to reduce emissions, and to promote sustainable urban development. This is particularly important in rapidly developing countries, where urbanization and industrialization are occurring at high speeds, leading to a rapid increase in carbon emissions. Furthermore, more efficient and environmentally friendly energy sources and technologies are needed to promote the use of renewable energy and to reduce the greenhouse gas emissions in urban areas. Therefore, it is necessary to study urban carbon emissions to promote energy conservation and resource utilization efficiency and to achieve sustainable development.

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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!

Editor-in-Chief

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