



Characteristics and Source Apportionment of Urban Air Pollution

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Message from the Guest Editors

As the symbol of modern civilization and social progress, cities are significant economic and social development centers. The problem of air pollution in urban regions, accompanied by the progression of urban resources, population, and education, has received increasing attention in recent decades. The anthropogenic pollution emissions in urban areas are complex and concentrated, resulting in the development of compound pollution characteristics in urban air pollution. Therefore, clarifying the characteristics of urban air pollution and the sources of air pollutants is very important for us to control urban air pollution.

To fully understand the characteristics and source apportionment of urban air pollution, a large amount of monitoring data (ground, aircraft, and satellite) and multiple models (box, regional, and global) are required. This Special Issue aims to cover all theoretical, observational, experimental, and modeling studies that present new knowledge of air pollution in urban atmospheric environments.





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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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