

Special Issue

Mechanisms of Urban Ozone Pollution

Message from the Guest Editors

Continued exacerbation of ozone pollution because of climate change have highlighted the dire need to better understand the physical and chemical processes that increase the levels of ozone pollution. Delineating the complex photochemical process leading to ozone formation, identifying the relationship between ozone pollution and meteorology, and quantifying the ozone contribution of different source categories and source regions can help to guide contingency control measures for ozone de-spiking over the major city clusters worldwide. This Special Issue calls for original research papers on urban ozone pollution, including field observations, air quality model, smog chamber simulation, and machine learning. Some potential topics include, but are not limited to, the following: The formation and transport of ozone in the atmosphere; Ozone pollution control; Interaction between ozone pollution and meteorology; Observation of ozone and its precursors; Ozone source apportionment in the urban area; Interactions between ozone and aerosols

Guest Editors

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Deadline for manuscript submissions

closed (5 September 2024)



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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!

Editor-in-Chief

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