Special Issue

Source Apportionment of Regional Ozone Pollution

Message from the Guest Editors

The deterioration of regional ozone pollution is becoming the most important environmental problem that needs to be solved in many urban areas around the world. Ozone levels are closely associated with the generation mechanism, the nonlinear response to their precursors, VOC emissions from different sources, adverse impacts from meteorological factors, unreasonable emission reduction strategies, etc. Comprehensive research on field observation, model simulation, machine learning and big data analysis to clarify the cause of ozone pollution and the appropriate control measures, etc., is helpful to understand the causes of regional ozone pollution and shed light on further control policies. This Special Issue aims to present original research, including review articles, which investigate regional ozone pollution.

- The distribution and variation in the ozone and its precursors;
- Source apportionment of regional ozone pollution and its precursors;
- Ozone pollution trend and formation mechanism;
- The impacts of emissions and meteorology on ozone pollution;
- Policy-related studies for regional ozone pollution control.

Guest Editors

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Deadline for manuscript submissions

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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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