



Advances in Atmospheric Environmental Chemistry

Guest Editor:

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Message from the Guest Editor

While great efforts have been devoted to the reduction in air pollution, the global and regional atmospheres are still facing various problems. For example, what are the key pollutants in the atmosphere that impose health impacts? What is the developing trend of atmospheric oxidizing capacity? How would the ozone pollution evolve in the context of global warming? Accordingly, research and review articles that are related, but not limited to, the following topics are welcomed in the upcoming Special Issue to ensure a better understanding of the advances in atmospheric environmental chemistry:

1. Toxicological mechanisms for the adverse health impacts of ambient aerosols and identification of the key pollutants;
2. Atmospheric oxidizing capacity, reactive radicals, and the affecting factors;
3. Ozone pollution trend and formation mechanism with respect to local atmospheric chemical regimes;
4. Variations of wet and dry depositions with climate change;
5. New laboratory or model techniques applied in the study of atmospheric chemistry.





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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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