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Air Quality and Secondary Organic Aerosols: Recent Trends, Current Progress and Future Directions

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Message from the Guest Editors

This Special Issue welcome original research studies, review and perspective articles related to air quality and SOA formation, covering laboratory experiments, field measurements, and modeling aspects. Relevant topics include but are not limited to:

(1) Influence of meteorology and emission reduction on local and regional air quality;

(2) Source apportionment and air pollution control strategy;

(3) Characterization of aerosol physical and chemical properties;

(4) SOA formation mechanism such as gas-phase oxidation, aging, aqueous, and multiphase chemical processes;

(5) Interaction between anthropogenic and biogenic emissions.

Deadline for manuscript submissions:
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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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