Special Issue

Recent Advances in the Chemical Characterization of Atmospheric Aerosols

Message from the Guest Editor

Atmospheric aerosols significantly impact air quality, climate change, and human health. A comprehensive understanding of the chemical characteristics of aerosols, is essential for evaluating their impact on air quality and the climate. Furthermore, studying the chemical characterization of atmospheric aerosols is crucial for refining climate models and formulating effective pollution control strategies. This Special Issue on “Recent Advances in the Chemical Characterization of Atmospheric Aerosols” seeks high-quality works focused on the chemical characterization of atmospheric aerosols and their applications in the field of aerosol chemistry. Topics include, but are not limited to, the following:

- Mass spectrometry analysis method;
- Molecular composition of aerosols;
- Source apportionment of aerosols;
- Formation mechanism of aerosols;
- Molecular marker identification;
- Isotopic tracing;
- Model simulation;
- Atmospheric transport.

Guest Editor

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Editor-in-Chief

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