



Advances in Atmospheric Chemistry and Transportation of Aerosol by Remote Sensing and Modeling

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Deadline for manuscript
submissions:

closed (15 October 2023)

Message from the Guest Editors

This collection acts as a platform to share and investigate this topic area and provides the opportunity to quantify aerosol chemistry and transportation. This will help us to better understand the impacts of aerosols on the environment and climate.

This research topic calls for papers that can improve our understanding of the characteristics of aerosols by using satellite remote sensing and the evaluations of modeled aerosols with remote sensing. We aim to quantify the characteristics of the atmospheric chemistry and transportation of aerosols using remote sensing data, including spatial distributions, radiative effects, etc.

Potential research topics include but are not limited to the following:

- Microphysical and optical properties of aerosols.
- Understanding the long-range transport characteristics of aerosols.
- The vertical distribution of aerosol species (e.g., particle mass, particle size).
- The impacts of light-absorbing aerosols in snow/ice.
- The interaction of aerosol–cloud–precipitation–climate.
- The impacts of meteorological parameters on the changes in aerosol species.
- The effect of aerosols on extreme weather.





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Message from the Editor-in-Chief

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