



Multi-Source Remote Sensing Observations of Aerosol Properties and Air Quality

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Message from the Guest Editors

It is well known that aerosols play an important role in the Earth's radiation system and atmospheric environment. Along with this, the difficulty in understanding aerosol characteristics, which are highly variable in space and time, is also well known. Remote sensing from satellites, airplanes, and the ground are the most powerful means of aerosol measurement.

There is no doubt that the global climate crisis and air pollution are worsening. Due to these trends, various aerosol and cloud sensors will be installed on the Earth observation satellites to be launched soon, such as EarthCARE, EPS-SG, PACE, MAIA and so on. Advanced meteorological satellites can also be considered aerosol sensors. Other sensors (MODIS, CALIPSO, Sentinel-5P) also provide valuable information on aerosol properties and air quality. The development of data analysis algorithms that can cope with the remarkable growth of these devices and the integrated use of multiple sensors is required.

Manuscripts from various perspectives, whether observational, theoretical, or experimental, are welcomed.





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