



Atmospheric Environment and Aerosol Science

Guest Editor:

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Message from the Guest Editor

This Special Issue aims to develop novel approaches to monitoring and forecasting air pollution and aerosols by integrating space and ground measurements and to collect new ideas, analyses, and results of studies conducted on the scientific environment and on climate issues related to atmospheric pollution and aerosols. Specific topics of interest for this Special Issue include, but are not limited to:

- Novel physical-based and/or machine-learning-based algorithms for atmospheric environmental pollution (e.g., PM, NO_x, O₃, etc.) and aerosol (e.g., optical, physical, and chemical properties) monitoring and forecasting;
- Long-term, high spatial-temporal resolution of air pollution and aerosol products generation from multiple sources;
- Integrated space–ground approach for studies on emission, sources, transport behavior, and evolution of air pollution and aerosols;
- Radiative and climatic effects of air pollution and aerosols;
- Interaction between the boundary layer dynamic and thermal dynamic properties and air pollution and aerosols;
- Response of air pollution and aerosols to human activity and mitigation strategies.





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