Special Issue

Characterization of Atmospheric Aerosols and Their Effects, from Observation to Model Studies

Message from the Guest Editors

The aim of this Special Issue is to provide recent advances in the field of broadly understood aerosol characteristics and their impacts. The Special Issue is highly relevant to laboratory experiments, field observations, remote sensing, and model simulations regarding aerosol studies that include but are not limited to the following topics:

- Aerosol source attribution, secondary formation;
- Characterization of aerosol chemical, physical, and optical properties;
- The role of aerosols in air pollution, and interaction with meteorological conditions;
- Aerosol–cloud–radiation interaction studies;
- Assimilation and simulation of aerosols.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2023)

Atmosphere

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Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/129509

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About the Journal

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!

Editor-in-Chief

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