Special Issue

Aerosol Optical Properties: Models, Methods & Measurements

Message from the Guest Editor

Atmospheric particulate matter scatters and absorbs significant quantities of sunlight in the Earth's atmosphere, thus leading to alterations of the Earth's radiative balance. For climate scientists to understand the net effect of aerosol, key optical variables of aerosol must be known. For this Special Issue, we aim to provide the community a valuable resource by organizing the most recent contributions to the study of aerosol optics. Such creative works may take the form of exceptional literature review articles that outline recent developments in the field. Alternatively, authors may describe the development and application of novel measurement methods for study of aerosol optics. Additional contributions might include manuscripts that focus on summary ambient measurements and/or the transformation of particle properties during atmospheric processing. Lastly, laboratory and modeling studies are welcome contributions to this Special Issue. In short, all contributions that improve our understanding of aerosol optics are welcome.

Guest Editor

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Deadline for manuscript submissions

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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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