Special Issue

Atmospheric Aerosol Optical Properties (2nd Edition)

Message from the Guest Editors

After the successful Special Issue "Atmospheric Aerosol Optical Properties", reporting results from different regions of the world, we decided to launch a Second Volume of the Special Issue on Atmospheric Aerosol Optical Properties. We propose a space to show the results of recent advances in the field of the optical properties of aerosols. Solar radiation interacts with atmospheric aerosols, and they can act both as absorbers of solar light, heating the atmosphere, or they can act as scatterers, preventing the solar radiation from reaching the ground and cooling the atmosphere. These processes are called the direct effect of aerosols or Aerosol-Radiation Interaction (ARI).
Topics of interest for the Special Issue include, but are not limited to:
absorption and scattering coefficients;
single scattering albedo and extinction coefficients;
absorption and scattering Ångström exponents;
effects of aerosols over climate: radiative forcing;
other effects of aerosols: visibility;
relation of the Aerosol Optical properties with the Aerosols.

Guest Editors

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Deadline for manuscript submissions

closed (25 October 2023)

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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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