

Special Issue

Atmospheric Aerosol Optical Properties

Message from the Guest Editors

This Special Issue aims to provide recent advances in the field of the optical properties of aerosols. The interaction of the solar radiation with these atmospheric particles plays an important role in determining the budget of the radiative forcing, as they can act both as absorbers or scatterers of solar light. They can also have an indirect effect, affecting the formation of clouds and influencing their lifetime.

Besides their contribution to climate change and visibility conditions, this topic is also relevant to those working with identifying potential sources of aerosols. Original results from laboratory and field measurements, both remote and

in situ, are all welcome contributions. Authors are encouraged to include a section touching on future issues, opportunities, and/or concerns related to the next decade's horizons.

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.

Guest Editors

Dr. Sandra Mogo

Dr. Edith Rodríguez

Dr. Natalia Prats

Dr. Boris Barja

Deadline for manuscript submissions

closed (10 May 2022)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/82669

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)



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

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q2 (Environmental Science (miscellaneous))