

Special Issue

Chemical Composition and Sources of Particles in the Atmosphere (2nd Edition)

Message from the Guest Editors

The atmosphere of Earth is rich in aerosols. Their presence has a strong impact on air quality, human health, and the climate, which has been reported for several decades. In general, the fraction of different chemical components and the source contributions to aerosols in the atmosphere varies at different times and locations. A better characterization of aerosol chemical compositions and sources is key to elucidating their atmospheric fate, mitigating climate change, and protecting human health. For this Special Issue, the topics of interest include but are not limited to:

Chemical and physical properties of aerosols;
Chemical components and their mass fraction in aerosols;
Different source contribution to aerosols;
Formation and evolution mechanism of aerosols;
The environmental impact of different components of aerosols.

Guest Editors

Dr. Shan Huang

Institute for Environmental and Climate Research, Jinan University,
Guangzhou 511443, China

Dr. Wei Wei Hu

State Key Laboratory of Organic Geochemistry, Guangzhou Institute of
Geochemistry, Chinese Academy of Sciences, Guangzhou 510640,
China

Deadline for manuscript submissions

closed (1 June 2024)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/177164

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))