Special Issue

Advances in Atmospheric Aqueous-Phase Chemistry

Message from the Guest Editors

Secondary inorganic and organic aerosol formation in the aqueous phase is of primary importance in atmospheric chemistry. To minimize the gap between measurement and simulation, we are in urgent need of a better understanding of aqSOA chemistry. Thus, we are launching this Special Issue of Atmosphere, entitled "Advances in Atmospheric Aqueous-Phase Chemistry", to provide new insights into aqSOA chemistry. Topics of interest for this Special Issue include, but are not limited to:

- Physicochemical properties of aqSOA, e.g., kinetics, chemical compositions, light properties, phase changes, viscosity, etc.;
- Heterogeneous formation mechanisms of aqSOA, e.g., fog, cloud, aerosol liquid water, etc.;
- Factors might affect the aqueous SOA formation, e.g., pH, RH, temperature, aerosol phase states, etc.;
- Contribution of aqSOA formation to PM5;
- Heterogeneous formation of inorganic aerosol under highly polluted conditions.

Guest Editors

Dr. Fei Zhang
College of Environmental and Resource Sciences, Zhejiang University, Hangzhou 310058, China

Dr. Xiao Sui
College of Geography and Environment, Shandong Normal University, Jinan 250358, China

Deadline for manuscript submissions

closed (5 November 2024)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/189031

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

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

MDPI

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))