Special Issue

Chemical Analysis Methods for Particle-Phase Pollutants

Message from the Guest Editor

This Special Issue of *Atmosphere* is focused on the state-of-the-art of chemical analysis methods for aerosol particles, including recently developed methods, especially advanced mass spectrometric (MS) methods, as well as applications of existing analytical methods. Authors are invited to submit manuscripts reporting measurement approaches for both ambient aerosol and source emissions, including those of biogenic and anthropogenic origin. Specifically, characterization of secondary organic aerosols (SOA) warrants more efforts, which are a particularly welcome contribution to this Special Issue. Methods applied for real-time in situ PM characterization, including utilization of low-cost sensors, as well as filter-based time-integrated laboratory analyses, can be presented here. Ultimately, this Special Issue wants to give an overview of the latest chemical characterization methods that provide a more comprehensive and accurate understanding of atmospheric aerosol properties, as well as their formation and transformation processes.

Guest Editor

Dr. Guenter Engling
California Air Resources Board, Riverside, CA, USA

Deadline for manuscript submissions

closed (26 June 2020)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/33707

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))