



Aerosol Transport Phenomena, Kinetics, and Deposition

Guest Editors:

Dr. Fernanda Isabel Oduber Pérez

Department of Chemistry and Applied Physics, University of León, 24007 León, Spain

Dr. Estela Vicente

1. Department of Physics, IMARENAB University of León, 24071 León, Spain
2. Department of Environment and Planning, Centre for Environmental and Marine Studies (CESAM), University of Aveiro, 3810-193 Aveiro, Portugal

Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

Atmospheric aerosols are subject to various processes that affect their concentration, distribution, chemical and physical properties and, as a consequence, their impact on climate, ecosystems, and human health. Transport and deposition phenomena involve physical and chemical processes that occur in the air and that directly affect the life cycle of aerosols in the atmosphere. This Special Issue aims to present the most recent and outstanding results on the transport, formation, dispersion, and kinetics processes that atmospheric aerosols undergo during their life cycle, as well as their impact on the environment and human health.

Topics of interest for the Special Issue include, but are not limited to:

- Modeling of aerosol formation, transport and deposition processes;
 - Physical and chemical analysis of aerosols and their relationship with transformation processes;
 - Impact of atmospheric aerosols on health, climate, and ecosystems;
- Study of aerosol transformation processes, both indoor and outdoor;
 - Kinetic studies;
 - Applications.

and any other topic that is considered relevant and is framed within the objectives of this Special Issue.





an Open Access Journal by MDPI

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

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!

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)*)

Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)