atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9

# Atmospheric Deposition: New Insights into an Important Self-Cleaning Process in Atmosphere with Environmental Consequences

Guest Editor:

**Dr. Iva Hůnová**
1. Czech Hydrometeorological Institute, Na Šabatce 17, 143 06 Prague, Czech Republic
2. Institute for Environmental Studies, Faculty of Science, Charles University, Benátská 2, 128 01 Prague, Czech Republic

Deadline for manuscript submissions:
**closed (23 January 2024)**

## Message from the Guest Editor

Atmospheric deposition is an important process contributing to the self-cleaning of the atmosphere and introducing not only nutrients but also pollutants into the ecosystems and environment. This indeed crucial process involves different mechanisms influenced by numerous factors. It occurs via wet or dry pathways, the first one being an episodic process related to rain and snow events, whereas the latter one is a continuous direct transfer of gases and particles to the Earth´s surface. <false,>This Special Issue seeks manuscripts presenting new insights into both wet and dry deposition pathways and processes from different world regions and environments. We invite you to contribute articles by reporting on observation-based and modelling studies, related not only to wet and dry, but to occult deposition as well. Contributions elucidating the deposition of major ions and trace elements, both inorganic and organic species, are encouraged. Studies considering the role of on-going climate change in atmospheric deposition processes are gladly accepted. Both original research studies and review articles are welcome.

# atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.9


## 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