

## Special Issue

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

### 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. 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.

### Guest Editor

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### Deadline for manuscript submissions

closed (23 January 2024)



## Atmosphere

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## 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!

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### Editor-in-Chief

Dr. Daniele Contini

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