

## Special Issue

# Atmospheric Aerosol Regional Monitoring

### Message from the Guest Editors

Aerosols play an important role in the radiative balance of the Earth climate system. The direct aerosol effects depend on the aerosol optical properties and their spatial and vertical distribution in the atmosphere. This Special Issue aims to gather both experimental and model contributions on the characterization of the physical, chemical, and optical properties of aerosol, with a special focus on regional and global climate impacts. We invite submissions exploring the following topics: Results from global monitoring networks, long-term datasets on aerosol chemistry and optical properties variability and trends, global models-measurements comparisons, satellite measurements, and in-situ vertical characterization (from airborne platforms such as aircrafts or balloons). This list is not exhaustive and all relevant research will be considered. Contributions presenting and describing new monitoring networks and measurement protocols are also welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2019)



## 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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