# Special Issue

# Aerosol-Climate Interaction

### Message from the Guest Editor

Aerosol–Climate Interaction (ACI) is a key component in the understanding of climate variability and climate change at regional and global scales. Aerosols can affect temperature, rainfall, and atmospheric circulation on regional and global scales through radiative forcing and microphysical effects. However, there are still large gaps in our understanding of aerosols, their interactions with radiation and cloud, and their effect on the climate. On the other hand, climate change also can affect the behavior of atmospheric aerosols. There is still ample room to explore the link between climate change and air pollution both in the past and in the future.
This Special Issue aims to present a collection of studies that advance the knowledge on the ACI. We invite authors to submit original articles that focus on the ACI on regional and global scales, their impacts, and associated physical mechanisms including extreme events, such as heat waves, droughts, and heavy rainfall, using observations, remote sensing, and numerical models.

### Guest Editor

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### Deadline for manuscript submissions

closed (23 October 2020)

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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!

## Editor-in-Chief

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