Special Issue

Atmospheric Pollution in Highly Polluted Areas (2nd Edition)

Message from the Guest Editors

Air pollution remains the greatest environmental health threat worldwide, with only seven countries meeting the WHO's annual PM2.5 guideline in 2023. Moreover, in some countries and regions, PM2.5 concentrations exceed the standard by more than five times. Research on air pollution in these regions is often lagging and insufficient due to economic development constraints. However, under conditions of unique emission characteristics, meteorological conditions, and geographical locations, the formation mechanisms of atmospheric pollution may vary, necessitating in-depth research. Therefore, the goal of this Special Issue is to promote the publication of papers focusing on air pollutants in highly polluted areas. We welcome original research papers or review articles focused on but not limited to the following topics:

- Investigating the characteristics of air pollutants in pollution progress;
- Exploring the sources and formation mechanisms of air pollutants in highly polluted areas;
- Assessing the impacts of air pollutants on human health, ecosystems, and climate systems;
- Discussing strategies and interventions for mitigating air pollution and improving air quality.

Guest Editors

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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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