

## Special Issue

# Air Pollution and Its Impact on the Atmospheric Environment

### Message from the Guest Editors

Human activities have profoundly altered Earth's atmospheric composition and dynamics, resulting in urgent environmental concerns. This Special Issue delves deeply into the intricate impact of human-induced activities on the atmospheric environment. Through a comprehensive analysis of factors such as industrial emissions, transportation, deforestation, and energy production, we aim to elucidate the intricate relationship between human actions and the atmosphere. Our objective is to explore the origins and repercussions of air pollutants, greenhouse gases, and aerosols, with a specific emphasis on their role in deteriorating air quality, driving climate change, and influencing regional weather patterns. Furthermore, this collection of research endeavors to offer insights into innovative mitigation strategies and essential adaptation measures for preserving the atmospheric environment in an era of rapid global transformation. **Keywords**

- anthropogenic activities
- atmospheric environment
- air pollution
- climate change

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### Guest Editors

Dr. Xin Long

Dr. Yichen Wang

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### Deadline for manuscript submissions

closed (30 May 2025)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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