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Aerosols Pollution: Characteristics, Impacts, Projections and Mitigation

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Deadline for manuscript submissions:
31 May 2024

Message from the Guest Editors

This Special Issue encompasses various subjects on aerosols, including their properties, consequences, and interactions within the atmosphere. These may include, but are not limited to, the following:

- Aerosol characteristics and composition (conventional and emerging aerosols);
- The source appointment of aerosols;
- Indoor aerosols and built environment;
- Bioaerosols;
- The fate and transportation of aerosols in the environment;
- Advanced monitoring tools and their precision;
- The transformation and persistence of aerosols;
- The behaviors and interactions of aerosols with other ambient air attributes in the atmospheric environment;
- The risk assessment of aerosols;
- The future projection of atmospheric aerosol implications;
- Data science and artificial intelligence tools used in aerosol studies;
- The effectiveness of existing mitigation strategies and future prospectives;
- Regional and global collaboration for clean air.

Given this prevalent area of scientific concern, we invite original articles, reviews, and meta-analyses on relevant topics of interest.

mdpi.com/si/189371

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Editor-in-Chief

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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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Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

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