

Special Issue

Aerosol-Driven Air Pollution: Pathways to Sustainable Mitigation

Message from the Guest Editor

Dear colleagues, With this Special Issue on “**Aerosol-Driven Air Pollution: Pathways to Sustainable Mitigation,**” we invite original research and review articles that advance understanding of aerosol formation, transformation, and impacts, as well as sustainable approaches to reducing aerosol emissions. The Special Issue focuses on (but is not limited to) the following **topics**:

- Aerosol–cloud interactions and their implications for climate forcing;
- Source apportionment studies using isotopic or molecular marker techniques;
- Emerging aerosol sources, including microplastics and nanomaterials in the atmosphere;
- Indoor aerosol dynamics, human exposure pathways, and mitigation technologies;
- Real-time, low-cost sensor networks and data fusion approaches for aerosol monitoring;
- **Health risk assessment of chronic and acute exposure to fine and ultrafine particulate matter;**
- Life-cycle sustainability assessment (LCSA) of aerosol control technologies and emissions-reduction interventions;
- Socioeconomic and environmental equity dimensions of aerosol exposure and pollution mitigation;
- Advances in sustainable materials for aerosol filtration, capture, and catalytic degradation.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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