

Special Issue

Atmospheric Environment and Aerosol Science

Message from the Guest Editor

This Special Issue aims to develop novel approaches to monitoring and forecasting air pollution and aerosols by integrating space and ground measurements and to collect new ideas, analyses, and results of studies conducted on the scientific environment and on climate issues related to atmospheric pollution and aerosols. Specific topics of interest for this Special Issue include, but are not limited to:

- Novel physical-based and/or machine-learning-based algorithms for atmospheric environmental pollution (e.g., PM, NO_x, O₃, etc.) and aerosol (e.g., optical, physical, and chemical properties) monitoring and forecasting;
- Long-term, high spatial-temporal resolution of air pollution and aerosol products generation from multiple sources ;
- Integrated space-ground approach for studies on emission, sources, transport behavior, and evolution of air pollution and aerosols;
- Radiative and climatic effects of air pollution and aerosols;
- Interaction between the boundary layer dynamic and thermal dynamic properties and air pollution and aerosols;
- Response of air pollution and aerosols to human activity and mitigation strategies.

Guest Editor

Dr. Jianjun Liu

Environmental Model and Data Optima (EMDO) Laboratory, Laurel, MD 20707, USA

Deadline for manuscript submissions

closed (31 October 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/143473

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)