

Special Issue

Air Quality Assessment: Environmental Impacts, Risks and Human Health Hazards

Message from the Guest Editors

This Special Issue highlights cutting-edge advances in air quality assessment by integrating remote sensing, traditional monitoring, and advanced modelling to better evaluate environmental impacts and human health risks. We welcome contributions across a broad spectrum of themes, including but not limited to the following areas:

- Passive remote sensing of atmospheric pollutants and aerosols (satellite AOD/AI/VI, ground-based photometer networks, sun-sky radiometry) and their relation to exposure and risk modelling.
- Active remote sensing techniques (lidar, ceilometers, aerosol backscatter profiling, Raman lidar) for vertical distribution, mixing layer dynamics, and exposure assessment.
- Decision support, mitigation strategies, and policy implications: how remote sensing and integrated monitoring can inform air-quality management, early warning systems, and planning.
- Integrated methodologies for combining remote sensing data and ground measurements in the analysis of ecological and public health risks.
- Human health hazard and risk assessment related to air quality, with novel exposure estimation methods (including remote sensing inputs, personal exposure modelling, epidemiology).

Guest Editors

Dr. Brindusa Sluser

Department of Environmental Engineering and Management,
"Gheorghe Asachi" Technical University of Iasi, 73 Blvd. D. Mangeron,
700050 Iasi, Romania

Dr. Marius M. Cazacu

Department of Physics, Gheorghe Asachi Technical University of Iasi,
700050 Iasi, Romania

Deadline for manuscript submissions

30 October 2026



Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



mdpi.com/si/261415

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

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





Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



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



About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy
2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).