

Special Issue

Air Quality Characterisation and Modelling—2nd Edition

Message from the Guest Editors

Air pollution is a mixture of particles and gases, which can reach unsafe concentrations for human health, the environment, vegetation and materials. It has become one of the main sustainability issues and a concerning topic in atmospheric science. The combination of fast-growing populations, transport, fossil fuels, and biomass burning is leading to pollution levels being especially high in some urban areas. Agriculture and natural phenomena are also an important source of pollution. The monitoring and understanding of the temporal and spatial behaviours of air pollutant concentrations are essential for both the implementation of air quality policies and the definition of effective measures to mitigate air pollution and its effects. Quantifying and monitoring exposure to air pollution in terms of public health is also a critical component in policy discussion. Continuing the success of the [first edition](#), the second edition will present recent research activities concerning the characterization of air pollution and the applied modelling approaches.

Guest Editors

Dr. José Carlos Magalhães Pires

LEPABE—Laboratory for Process Engineering, Environment, Biotechnology and Energy, Department of Chemical and Biological Engineering, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal

Dr. Álvaro Gómez-Losada

Department of Quantitative Methods, Loyola Andalucía University, 41704 Seville, Spain

Deadline for manuscript submissions

closed (1 May 2026)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/210325

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. 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

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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