



Advances in Air Quality Monitoring Towards Reducing Air Pollution and Health Impacts

Guest Editors:

Prof. Dr. Fernando Gomes Martins

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

Dr. Sofia Sousa

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

Dr. Pedro Branco

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

Message from the Guest Editors

The right to breathe healthy air is a fundamental right for all. This right is violated every day, as 90% of the world's population breathes polluted air outdoors and indoors, causing 7 million deaths annually. Therefore, there is a strong need for more comprehensive data on air quality worldwide.

One of the most significant uses of reliable air quality monitoring data is to establish a credible link with health impacts. Another very important purpose is to support the validation of models. Modeling is advantageous, as it allows understating the spatial and temporal trends of air pollution.

As such, this Special Issue will focus on air quality monitoring, including all types of methodologies, techniques, and applications. By doing so, this Special Issue will be a useful supplement to the existing literature as it will gather worldwide innovative research on air quality monitoring, including a plethora of techniques reliable enough to be used as tools for improving air quality, for modeling validation, and for assessing air pollution impacts on health.

Deadline for manuscript submissions:

closed (30 November 2021)



mdpi.com/si/57290

Special Issue



an Open Access Journal by MDPI

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

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.

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](#), [CAPus](#) / [SciFinder](#), and [other databases](#).

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

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)