



Real-Time Air Quality Monitoring Systems

Guest Editors:

Prof. Dr. Catarina Silva

Department of Informatics
Engineering, University of
Coimbra, 3004-531 Coimbra,
Portugal

catarina@dei.uc.pt

Prof. Dr. Filipe Araujo

Department of Informatics
Engineering, University of
Coimbra, 3004-531 Coimbra,
Portugal

filipius@uc.pt

Deadline for manuscript
submissions:

31 January 2022

Message from the Guest Editors

The World Health Organization (WHO) estimates that air pollution kills seven million people worldwide every year and that 9 out of 10 people breathe air with a concentration of pollutants exceeding its guideline limits. Providing timely, detailed, and accurate information to citizens and government officials about the air they breathe can, therefore, improve health quality. This is an interdisciplinary challenge requiring the joint effort of researchers from computer science, engineering, environment science, health, and other scientific areas.

We are organizing this Special Issue to advance the field of real-time air quality monitoring systems. We invite researchers to submit their work on theoretical and practical aspects of such systems, addressing open problems in sensors, data collection, fusion, and storage systems, privacy, intelligent forecasting and alarming as well as web and mobile applications directed at individuals and organizations for decision support.





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. 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.

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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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