



## Microenvironmental Air Pollution Control, Comfort and Health Risk

Guest Editors:

### Dr. Rosa Caggiano

Institute of Methodologies for  
Environmental Analysis (IMAA),  
National Research Council (CNR),  
85050 Tito Scalo, Italy

### Dr. Antonio Speranza

Institute of Methodologies for  
Environmental Analysis (IMAA),  
National Research Council (CNR),  
85050 Tito Scalo, Italy

Deadline for manuscript  
submissions:

**closed (23 October 2023)**

### Message from the Guest Editors

Dear Colleagues,

The air pollution of the microenvironment can have a great impact on the health, comfort, and well-being of its occupants. Indoor air pollution is a growing concern, due to the wide variety of sources that contribute to the contamination of spaces. Microenvironmental air pollutants can be generated by both indoor sources (e.g., cooking, cleaning products, smoking, building-related pollutants, furniture) and outdoor sources (e.g. vehicles, industry), whose pollutants can enter into buildings through windows and/or air ventilation systems. Volatile organic compounds (VOCs), carbon oxides (CO<sub>2</sub>, CO), benzene (C<sub>6</sub>H<sub>6</sub>), sulfur dioxide (SO<sub>2</sub>), ozone (O<sub>3</sub>), oxides of nitrogen (NO, NO<sub>2</sub>) and particulate matter (PM) can be considered the main microenvironmental air pollutants. Microenvironmental air pollution can have serious impacts on health, it can contribute to respiratory diseases such as asthma and chronic obstructive pulmonary disease, as well as cardiovascular disease, cancer, and other health problems. This Special Issue considers this context and welcomes original research articles and reviews.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Steve W. Lyon**

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

## 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](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / 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](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)