



New Indicators for Noise Management of Sustainable Urban Environments

Guest Editors:

Dr. Luca Fredianelli

Institute of Chemical and
Physical Processes of National
Research Council, via G. Moruzzi
1, 56124 Pisa, Italy

Prof. Dr. Gaetano Licitra

ARPAT, Environmental Protection
Agency of Tuscany Region, 50144
Livorno, Italy

Prof. Dr. André Fiebig

Department of Engineering
Acoustics, Technical University of
Berlin, 10587 Berlin, Germany

Deadline for manuscript
submissions:

10 January 2025

Message from the Guest Editors

In the last few years, the scientific community has started to investigate the possibility that health effects induced by prolonged noise exposure should be studied in conjunction with other features of noise. Among these remarkable effects are its intensity variation over time, impulsivity of events, frequency distribution, and psychoacoustic parameters. Peak levels, maximum levels, and variability can significantly influence the perception of nuisance, and citizens may complain more about single high levels of noise rather than average exposure. This can be the origin of flaws in dose–effect relationships for annoyance or sleep disturbance.

This Special Issue welcomes papers focused on studying new metrics, indicators, or evaluation methods for noise exposure, and its correlation with annoyance or other health effects, thus not relying only on average exposure to noise. The new findings will support the transition toward sustainable cities and neighborhoods.





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

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

Contact Us

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

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)