

## Special Issue

# New Solutions Mitigating Environmental Noise Pollution

### Message from the Guest Editors

The increasing attention of public and scientific results regarding noise pollution effects on health pushed the EU to issue the 49/2002/CE directive. Noise mapping in the EU showed an enormous number of annoyed citizen; cities and infrastructure owners were asked to mitigate noise from transport and industrial sources, inside and outside buildings. New solutions are being studied and applied, and there is a great deal of interest in experimentation taking into account green economy, recycling materials, new approaches to traffic management as low emission zones, new pavements, new vehicles and tires, and novel systems to reduce noise at sources for railways and airports. Methods and procedures are set to establish the efficacy and efficiency of mitigation actions; standards on barriers and pavement permit to qualify performances, and the prioritization of actions became crucial in order to guarantee transparent principles to the public. The purpose of this Special Issue is to determine the state-of-the-art on noise mitigation at the source, and also in propagation and at the receivers.

### Guest Editors

Prof. Dr. Gaetano Licitra

National Research Council of Italy (CNR), Institute of Chemical and Physical Processes, Area della Ricerca, Via G. Moruzzi 1, 56124 Pisa, Italy

Dr. Vogiatzis Konstantinos

Department of Civil Engineering, University of Thessaly, Volos, Greece

### Deadline for manuscript submissions

closed (30 April 2019)



## Environments

an Open Access Journal  
by MDPI

Impact Factor 3.7  
CiteScore 5.7



[mdpi.com/si/14784](https://mdpi.com/si/14784)

*Environments*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[environments@mdpi.com](mailto:environments@mdpi.com)

[mdpi.com/journal/  
environments](https://mdpi.com/journal/environments)





# Environments

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.7



[mdpi.com/journal/  
environments](https://mdpi.com/journal/environments)



## About the Journal

### Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

---

### Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy

2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).