

## Special Issue

# The Threat of Plastic to the Freshwater Biosphere

### Message from the Guest Editors

Plastic pollution has emerged as a pressing environmental concern, particularly in freshwater ecosystems, where this issue was long overlooked. However, freshwaters are undoubtedly the main pathway of plastic dispersion in the environment, transporting plastic from the land to the seas and oceans. Besides passing routes, rivers and lakes can act as sinks of plastic litter. Potential authors are encouraged to contribute research articles, reviews, or perspectives that explore diverse aspects of plastic pollution on freshwater life. This encompasses, but is not limited to: Elucidating the ecotoxicological and ecological consequences of plastics for aquatic organisms (i.e., microorganisms, plants, and animals). Unraveling the mechanisms of plastic colonization and degradation.

Practical solutions for mitigating the impact of plastics on freshwater ecosystems.

Recognizing research biases and identifying knowledge gaps about plastics' impacts on freshwater life. By promoting collaboration among experts and interdisciplinary approaches, this Special Issue aims to catalyze advances in our comprehension of plastics' pervasive influence on freshwater ecosystems.

---

### Guest Editors

Dr. Giulia Cesarini

Dr. Massimiliano Scalici

Dr. Valentina Iannilli

---

### Deadline for manuscript submissions

closed (31 December 2024)



## Environments

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.7



[mdpi.com/si/195147](https://mdpi.com/si/195147)

*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).