

## Special Issue

# Research Progress in Groundwater Contamination and Treatment

### Message from the Guest Editors

Groundwater contamination poses significant environmental and public health concerns, thus necessitating ongoing research efforts to understand its causes, impacts, and effective remediation strategies. This Special Issue seeks to investigate current research advancements in distinguishing the sources and pathways of groundwater contamination, as well as to delve into remediation techniques and strategies. The topics covered but are not limited to the following:

- Sources and pathways of groundwater contamination;
- Occurrence, mobilization, fate, and transport of contaminants/pollutants in groundwater;
- Micro- and nano-plastics as emerging contaminants in groundwater resources;
- Innovative monitoring techniques;
- Monitoring and occurrence of contaminants of emerging concern;
- Techniques/methodologies for tracing sources of groundwater contamination/pollution;
- Recent developments, breakthroughs, and challenges in groundwater treatment technologies;
- Remediation technologies and strategies;
- Scientometric analysis in the progress of groundwater research.

---

### Guest Editors

Dr. Panagiotis Papazotos

Dr. Eleni Vasileiou

Dr. Eleni Gianni

Dr. Simeone Chianese

---

### Deadline for manuscript submissions

closed (25 July 2025)



## Environments

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.7



[mdpi.com/si/205824](https://mdpi.com/si/205824)

*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).