



## Advanced Research on Micropollutants in Water

Guest Editor:

**Dr. Cátia Alexandra Leça  
Graça**

Laboratory of Separation and  
Reaction Engineering-Laboratory  
of Catalysis and Materials (LSRE-  
LCM), Faculdade de Engenharia,  
Universidade do Porto, 4200-465  
Porto, Portugal

Deadline for manuscript  
submissions:

**25 October 2024**

### Message from the Guest Editor

Dear Colleagues,

Micropollutants have the capacity to disturb physiological processes, resulting in unfavorable neurological, immune, developmental and reproductive effects on both humans and wildlife. These substances are frequently detected in aquatic ecosystems and encompass active pharmaceutical ingredients (APIs), personal care products (PCPs), pesticides and microplastics. In natural waters exposed to sunlight (surface waters), solar-radiation-mediated degradation constitutes an important natural depuration process of micropollutants, especially those resistant to biological degradation. However, these natural processes might not be enough to remove such substances, and complementary remediation strategies must be explored. These strategies can include advanced wastewater treatment technologies, the development of best practices in agriculture and industry to reduce pollutant inputs, and policy measures to limit the release of micropollutants. This Special Issue seeks research papers dealing with advances in micropollutant detection, environmental fate and removal in waters, to provide a well-rounded and complete understanding of the topic.





an Open Access Journal by MDPI

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

## 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.

## Author Benefits

**Open Access:** free for readers, with **article processing charges (APC)** paid by authors or their institutions.

**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)

## Contact Us

---

*Environments* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/environments](http://mdpi.com/journal/environments)  
[environments@mdpi.com](mailto:environments@mdpi.com)  
X@Environ\_MDPI