



## Plastic Contamination: Challenges and Solutions Volume II

Guest Editors:

**Dr. Teresa A. P. Rocha-Santos**

Centre for Environmental and  
Marine Studies (CESAM) &  
Department of Chemistry,  
University of Aveiro, 3810-193  
Aveiro, Portugal

**Dr. Ana Luísa Patrício da Silva**

Centre for Environmental and  
Marine Studies (CESAM) &  
Department of Biology, University  
of Aveiro, 3810-193 Aveiro,  
Portugal

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editors

Dear Colleagues,

Either in larger or smaller sizes, known as microplastics and nanoplastics, plastics are continuously released to the environment, where they accumulate due to their resistance to degradation. The accumulation of plastics in the environment can have negative effects on organisms and ecosystems directly through toxicity, or indirectly through habitat changes.

This Special Issue invites novel contributions in the form of critical reviews and research papers to address all aspects of plastics, such as (i) strategies or technologies to improve the production, use, and waste management of plastics; (ii) analytical methods for the assessment of micro/nanoplastics; (iii) concentrations and characteristics of micro/nanoplastics in the environment; (iv) ecotoxicological or abiotic effects of micro/nanoplastics; and (v) the role of micro/nanoplastics as vectors of contaminants and pathogens. This Special Issue also welcomes contributions regarding changes in plastics policies, consumption, incorrect disposal, and waste management during the COVID-19 pandemic.





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. School of Environment, State  
Key Joint Laboratory of  
Environment Simulation and  
Pollution Control, 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](https://x.com/Environ_MDPI)