



Plastics Pollution in Aquatic Environments

Guest Editors:

Dr. Juliana Aristéia De Lima

Department: Polymer, Fibre and Composite, RISE Research Institutes of Sweden, Brinellgatan 4, 504 62 Borås, Sweden

Dr. Karin Mattsson

Department of Marine Science, University of Gothenburg, Kristineberg 566, SE-451 78 Fiskebäckskil, Lysekil, Sweden

Deadline for manuscript submissions:

closed (20 June 2024)

Message from the Guest Editors

Dear Colleagues,

The aquatic environment is known to be heavily polluted with plastics, including microplastics that are released into the environment directly from everyday-use plastic items, wastewater treatment plants, polymer degradation and industries.

Microplastics may enter the food chain and cause serious health risks. However, little is known about their distribution and fate in the environment such as the following: What happens to the plastics when in the aquatic environment in relation to degradation, biodegradation and fragmentation? How does the environment affect the plastics?

Plastic products from biodegradable sources that are presented as a sustainable alternative to conventional plastics and a solution to marine plastic pollution. However, the use of additives could leach more effectively to the environment through microplastics.

This Special Issue welcomes manuscripts on all aspects related to studies on plastic pollution in the aquatic environment, including the fate and distribution of plastics, plastic degradation, fragmentation, biodegradation, and the production of materials that involve greater sustainability and less harm to the environment.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
X@Environ_MDPI