

Special Issue

Microplastics Pollution and Solutions

Message from the Guest Editors

Plastic products are necessities for human life and the global annual output of plastic has exceeded 380 million tons. A large number of plastic wastes remaining in the environment have the characteristics of large quantity and wide distribution, and are easy to be both swallowed by organisms and accumulated in the food chain. In addition, because of their charge, high specific surface area and hydrophobicity can be used as carriers to transport different kinds of pollutants, causing great pollution and potential threats to the environment. The plastic pollutants in aquatic and soil environments are decomposed after a long ageing process, in which it is easy to form microplastics. In this Special Issue, we solicit papers on the following topics:

- Spatial-temporal distribution, migration, and fate of microplastics in the environment;
- Interactions between heavy metals, organic pollutants, and microplastics;
- Control, management, and policies of microplastic pollution in the environment;
- Ageing process of microplastics in the environment;
- Interactions between biofilms and microplastic surface changes;
- Optimal degradation efficiency of microplastics in the environment.

Guest Editors

Dr. Jiangchi Fei

Dr. Qian Zhou

Dr. Zhenxing Wang

Dr. Lizhi Xiong

Deadline for manuscript submissions

closed (30 September 2022)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/97150

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://mdpi.com/journal/water)



About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,
Toulouse, France

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)