Special Issue

Analysis and Prevention of Microplastics Pollution in Water: Current Research and Future Directions

Message from the Guest Editor

Microplastics (MPs) are currently found almost everywhere, and the aquatic compartment is the final sink for most of the plastic debris. The marine environment is dramatically impacted by all kind of plastic contamination, and inland waters are also considered an important target of MPs. The detected polymers are mainly those found in common-use products: polyethylene (PE)—mainly in its low-density (LDPE; bin bags, plastic wraps, shopping bags) and high-density (HDPE; shopping bags, bottle caps, detergent bottles) forms, polypropylene (PP; yoghurt packaging, straws, semi-rigid containers), polystyrene (PS; foamed food containers, plastic cutlery), polyvinyl chloride (PVC, pipes), and polyethylene terephthalate (PET; bottles, food trays). Moreover, a wide range of chemical additives (e.g., polybrominated diphenyl ethers, bisphenol A, phthalates, fatty acids) are commonly added to polymers in order to modify their physicochemical properties (such as flame resistance, color, plasticity/viscosity, and lubricity). [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Microplastics_Pollution_Water

Guest Editor

Prof. Dr. Paolo Tremolada
Department of Environmental Science and Policy (ESP), University of Milan, Milano, Italy

Deadline for manuscript submissions

closed (15 November 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/38307

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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)

MDPI