



water

an Open Access Journal by MDPI



Effects of Micro- and Nano-Plastic Pollution on Marine Ecosystems and Human Health

Guest Editors:

Dr. Jun Bo

Prof. Dr. Minghua Wang

Prof. Dr. Youji Wang

Prof. Dr. Qiansheng Huang

Deadline for manuscript
submissions:

closed (31 March 2023)

Message from the Guest Editors

Micro- and nanoplastics (MNPs) are emerging environmental pollutants that pose a significant hazard to the marine ecosystem. MNPs may be ingested by a wide variety of marine species, including fish and shellfish, and thus elicit a number of negative effects on aquatic life. In addition, there is growing evidence that MNPs can be transported through the food chain, potentially threatening human health through seafood intake. As a result, this Special Issue focuses on, but is not limited to, the following topics: (1) the environmental behaviors and implications of MNPs in waters, sediments and biota from various marine ecosystems around the world; (2) the biological effects and mechanisms of MNPs alone and/or in combination with other anthropogenic pollutants or environmental stressors in marine organisms; (3) methodologies for determining MNP characteristics and risk assessment; (4) the risk assessment of MNPs for marine ecosystems and human health; (5) the potential transfer of MNPs along the marine food web and their consequent effects on human health.

The special issue website can be found at:

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



[mdpi.com/si/106215](https://www.mdpi.com/si/106215)

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

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.

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 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)