



fishes

an Open Access Journal by MDPI



The Effect of Nano and Micro-Plastic on Fish

Guest Editors:

Dr. Mahdi Banaee

Aquaculture Department, Faculty of Natural Resources and the Environment, Behbahan Khatam Alanbia University of Technology, Behbahan 63616-63973, Iran

Prof. Dr. Caterina Faggio

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, Italy

Dr. Antoni Sureda

Biochemistry and Molecular Biology at the Department of Fundamental Biology and Health Sciences, University of Balearic Islands, 07122 Palma, Spain

Message from the Guest Editors

Dear Colleagues,

Plastic debris and waste are a growing problem in aquatic ecosystems, and directly and indirectly affect aquatic life. Like a Trojan horse, micro and nanoplastics can play an important role in transferring biotic and abiotic pollutants. Therefore, an assessment of the toxicity of microplastics and its effects on fish is necessary. The purpose of the Special Issue is to report original research on the effects of nano and microplastics on all the physiological, genetic, biochemical, and biological aspects of fish. The topics of interest include the toxicity effects of micro and nanoplastics, either alone or in combination with the impact of other xenobiotics on fish. Manuscripts related to the fate of microplastics in fish bodies and their food chain are also welcome. This Special Issue welcomes research papers, review articles, research notes, technical reports, and short communications.

Deadline for manuscript submissions:

closed (20 October 2023)



mdpi.com/si/167025

Special Issue



fishes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubAg](#), [FSTA](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Marine & Freshwater Biology*)

Contact Us

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

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

mdpi.com/journal/fishes
fishes@mdpi.com
[X@Fishes_MDPI](#)