

Special Issue

Effect of Microplastics and Plastics on Aquatic Animals

Message from the Guest Editors

Microplastic pollution is a threat to marine environments worldwide, from the tropics to the polar regions.

Microplastics ingested by aquatic animals can induce toxic effects, including reduced food intake, delayed growth, oxidative damage and abnormal behaviour.

Microplastics with the potential to absorb harmful pollutants from the surrounding environment such toxic compounds can lead to carcinogenesis, endocrine disruption and neurotoxicity. The microorganisms adsorbed on microplastics may also act as pathogen spreaders, as the presence of bacteria such as *Vibrio spp.*, *Escherichia coli*, *Stenotrophomonas maltophilia*, *Bacillus cereus* and *Aeromonas salmonicida* has been reported on microplastics' surface. However, microplastics' environmental and health impacts are not yet entirely known, and it is still not possible to fully evaluate the risk they represent. This Special Issue will thus present the latest studies investigating the effect of MP pollution on the health of marine animals with the aim of developing a more comprehensive understanding of its consequences.

Guest Editors

Dr. Teresa Bottari

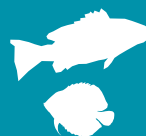
Institute for Marine Biological Resources and Biotechnology (IRBIM),
National Research Country (CNR), Messina, Spianata S. Raineri 86,
98122 Messina, Italy

Dr. Monique Mancuso

Institute for Biological Resources and Marine Biotechnology (IRBIM)-
CNR National Research Council (CNR), Section of Messina, Messina,
Italy

Deadline for manuscript submissions

closed (15 August 2023)



Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



mdpi.com/si/120031

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

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





Fishes

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 3.0



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

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

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 - Q1 (Marine and Freshwater Biology) Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).