

Special Issue

Toxic Effects of Microplastics on Aquatic Animals

Message from the Guest Editors

Microplastics have emerged as a pervasive contaminant in aquatic ecosystems, raising concerns about their toxic effects on aquatic organisms. While their global distribution and ingestion by aquatic organisms are well documented, the mechanisms and long-term consequences of exposure remain less clear. This Special Issue, *Toxic Effects of Microplastics on Aquatic Animals*, seeks to advance understanding of how microplastics affect aquatic species across multiple levels of biological organization. We invite submissions addressing, but not limited to, the following topics:

- **Physiological and cellular effects** of microplastic exposure;
- **Behavioral and ecological responses**, including reproduction, feeding, and species interactions;
- **Chemical and microbial interactions**, such as additive leaching and pathogen transport;
- **Food web and ecosystem implications**, including trophic transfer and bioaccumulation;
- **Risk assessment, monitoring, and policy frameworks** for mitigating microplastic impacts.

Through this collection, we aim to synthesize emerging insights, identify research gaps, and inform strategies for protecting aquatic life from the growing threat of plastic pollution.

Guest Editors

Dr. Nina Marn

Division for Marine and Environmental Research, Ruder Bošković Institute, 10000 Zagreb, Croatia

Dr. Vlatka Filipović Marjić

Division for Marine and Environmental Research, Ruder Bošković Institute, 10000 Zagreb, Croatia

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

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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

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