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Microplastics and Associated Contaminants in the Aquatic Environment: Ecotoxicological Effects and Potential Impacts on Human Health

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Message from the Guest Editors

In recent years, micro- and nanoplastic (MNP) pollution has become a growing concern worldwide due to its persistence and widespread distribution, associated with often-inadequate collection and recycling systems, thus representing an emerging threat for the aquatic environment. Moreover, there are still several aspects that necessitate a deeper investigation such as the release of additives from MNPs, the interactions between MNPs and environmental pollutants, and their impact on embryo development, as well as their transfer through different trophic levels following ingestion, with serious implication for predators, including humans.

Therefore, this Special Issue welcomes any novel exciting research on MNP occurrence in aquatic environments, with a special focus on the impact they might have on the ecosystem and biota, including their transfer through the food web and possible implications for human health. Studies exploring innovative bioremediation strategies for the elimination or mitigation of MNP harmfulness, or focusing on natural biodegradable materials that can replace the use of plastics are also welcome.



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Special Issue



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Message from the Editor-in-Chief

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