



Ecotoxicology of Aquatic Plastic Debris

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Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

The phenomenal amount of plastic pollution in aquatic ecosystems worldwide is a recognized environmental problem. Plastic debris entering the aquatic environment are colonized by microorganisms known as the “Plastisphere” community, promoting new interface and interactions between plastics and various pollutants. These plastic debris can be potent vectors for harmful pollutants and biota and present joint toxicity when ingested by aquatic species. Their further transfer along the food web can accelerate the wide array of impacts. Ecotoxicology of aquatic plastic debris is an important area to be studied, linking anthropogenic input to environmental consequences for aquatic ecosystems, which is of great ecological and economic significance.

In this Special Issue, we encourage the submission of papers related to the ecotoxicology of aquatic plastic debris, including but not limited to microbial colonization and formation of plastisphere, microbial degradation and surface interactions, vector properties and effects, ingestion and depuration of plastic debris, source tracking and monitoring, and so on. Both research articles and reviews are welcome.





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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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