

Special Issue

The Interaction and Influence of Microplastics on Microbial Communities in the Marine Ecosystem

Message from the Guest Editor

Microplastic pollution can harbor diverse microbial communities, which may impact the surrounding environment. The presence of microplastics can also introduce chemical pollutants into the marine environment. How microplastics alter marine microbes' abundance, diversity, and metabolic functions in marine microbes, potentially disrupting imperative biogeochemical processes, needs to be crucially addressed. Furthermore, the interactions between microplastics and microbial communities may have cascading effects on higher trophic levels in marine food webs. Microplastic pollution poses a significant threat to marine communities and, subsequently, to the health and functioning of marine ecosystems. In this Special Issue, we welcome submissions that promote an understanding of the influence microplastic pollution has on microbial communities, which is crucial to assess its impacts on marine ecosystems.

Guest Editor

Dr. Jinping Cheng

Department of Science and Environmental Studies, The Education University of Hong Kong, Hong Kong, China

Deadline for manuscript submissions

closed (25 November 2023)



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*Journal of Marine Science and
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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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