

## 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)



## Journal of Marine Science and Engineering

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

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## About the Journal

### Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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### 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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