

Special Issue

Ecotoxicology of Aquatic Plastic Debris

Message from the Guest Editors

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.

Guest Editors

Dr. Jinping Cheng

Department of Ocean Science, Hong Kong University of Science and Technology, Hong Kong, China

Dr. Siu Gin Cheung

Department of Chemistry, College of Science, City University of Hong Kong, Kowloon, Hong Kong, China

Deadline for manuscript submissions

closed (30 June 2022)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6



mdpi.com/si/84659

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

[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)





Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6



[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)



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

Author Benefits

High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q1 (Ocean Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).