

## Special Issue

# Advanced Research in Marine Microbial Resources: Focus on Novel Taxa, Enzymes and Compounds

### Message from the Guest Editors

Oceans are dominated by microbial species including bacteria, archaea and fungi that are essential for marine ecosystems and have central roles in biogeochemical cycles, influencing our human beings. Recent rapid developments in molecular ecology, metagenomics and ecological modeling illustrate that marine microbes represent the most important biological grouping on earth in terms of phylogenetic and functional diversity. Furthermore, marine microbial enzymes and natural compounds including esterase, lipase, collagenase, agarase, cellulase, terpenes, sterols, alkaloids, glycosides and polysaccharides are important in different industrial areas due to their properties and applications. Thus, novel taxa, enzymes and compounds of marine microbes are worthy of attention to accelerate their applications and developments. This Special Issue is devoted to collecting novel research on marine novel microbial taxa, enzymes and compounds with industrial applications and aims to contribute to highlighting recent findings and acquiring a comprehensive perspective on the current status of this broad research field. Moreover, reviews on successes and central issues will also be acknowledged.

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### Guest Editors

Dr. Xue-Wei Xu

Dr. Lin Xu

Dr. Bin Wei

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### Deadline for manuscript submissions

closed (10 June 2024)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/180427](https://mdpi.com/si/180427)

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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  
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