

## Special Issue

# Biocomplexity and Microbial Diversity in a Marine System

### Message from the Guest Editor

As the dominant life form in oceans, microbes play fundamental roles in biogeochemical processes and ecosystem functioning on both the microniche and global scales. Changing environmental conditions leads to the development of diverse adaptation strategies, including physiological and metabolic modifications and shifts in microbial communities' structure. The microbial resilience to environmental pressures has been evolving for over 3 billion years, yet little is known about the interrelation of diversity and physiological functionality. Recent advances in biochemistry, microbiology, recombinant biotechnology and related cutting-edge technological solutions have set opportunities for novel industrial applications of the wealth of naturally occurring defense, adaptation, and proliferation mechanisms. Authors are encouraged to submit original research covering abovementioned topics and methodological improvements that contribute to better understanding of the microbial populations' biocomplexity and ecosystem plasticity.

### Guest Editor

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### Deadline for manuscript submissions

closed (5 December 2020)



## Journal of Marine Science and Engineering

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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

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