



## Biocomplexity and Microbial Diversity in a Marine System

Guest Editor:

**Dr. Maria Blažina**

Ruder Bošković Institute, Ulica  
Giordana Paliage 5, 52210 Rovinj,  
Croatia

Deadline for manuscript  
submissions:

**closed (5 December 2020)**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Tony Clare**

School of Natural and  
Environmental Sciences,  
Newcastle University, Newcastle  
upon Tyne NE1 7RU, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/jmse](http://mdpi.com/journal/jmse)  
[jmse@mdpi.com](mailto:jmse@mdpi.com)  
[X@JMSE\\_MDPI](#)