

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

Dr. Maria Blažina

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

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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

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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

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