

## Special Issue

# Biochemical Interactions Between Microalgae and Marine Environment

### Message from the Guest Editors

Microalgae play a fundamental role in marine ecosystems, serving as primary producers and contributing significantly to ecosystem stability, nutrient cycling, and the global climate system. These highly adaptable organisms can survive and thrive in diverse and often extreme environmental conditions. However, like all living organisms, they are susceptible to various environmental stressors, including nutrient imbalances, temperature fluctuations, or pollution, which can impact their growth, metabolism, and survival. This Special Issue explores the intricate interactions between microalgae and their environments, providing insights into how these interactions influence the broader ecosystem. Additionally, it highlights recent research on harnessing microalgae for biotechnological applications such as bioremediation and carbon capture and as sources of bioactive compounds. This Special Issue aims to publish high-quality original research and review articles that advance our understanding of the ecological functions of microalgae and their innovative applications in addressing environmental and industrial challenges.

### Guest Editors

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### Deadline for manuscript submissions

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## 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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