

Special Issue

Bioactive Compounds Derived from Ocean Algae: Applications and Potential

Message from the Guest Editor

Marine algae are a rich and valuable source of bioactive compounds with growing potential across a wide range of industries, including medicine, nutrition, cosmetics, and agriculture. This Special Issue, "*Bioactive Compounds Derived from Ocean Algae: Applications and Potential*", highlights the recent research on the discovery and application of these valuable molecules that are known for their diverse biological activities, including antioxidants, anti-inflammatory, antimicrobial, antiviral, and anticancer properties. This Special Issue welcomes original research, reviews, and case studies exploring novel extraction techniques, mechanisms of action, biotechnological production, and real-world uses. It also aims to shed light on current challenges, such as improving bioavailability and scaling up production for commercial use. By bringing together insights from across disciplines, this collection hopes to extend our knowledge in algae-based bioactive and support their development into impactful, real-world applications.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2026)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/243736

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Engineering*
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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).