

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

Dr. Ali Parsaeimehr

Department of Biology and Microbiology, South Dakota State University, Brookings, SD 57007, USA

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*Journal of Marine Science and
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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/

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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.

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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