

Special Issue

The Effect of Ocean Acidification on Skeletal Structures

Message from the Guest Editors

The Special Issue aims to bring together current knowledge on OA in carbonate depositional ecosystems in perspective and review papers, and the latest research results, to provide a basis for this ongoing discussion. These ecosystems include but are not limited to coral reefs, oyster reefs, calcifying algae, etc. in which calcifiers are the predominant reef engineer. Thus, we invite contributions on new research outcomes in skeletal precipitation and structure, physiological mechanisms that underpin complex host and symbiont interactions, and responses of heterotrophic and phototrophic calcifiers under projected OA conditions. The goal is to contribute to a better understanding of what to expect for the future of carbonate depositional systems, resilience, and potential avenues for counteracting negative effects on calcification triggered by increasing CO₂ concentrations. If you are interested in contributing to the Special Issue but may not be able to meet the deadline, please do not hesitate to contact us. As we aim for an interesting compilation of state-of-the-art and novel insights, we invite you to contribute your view to this growing Special Issue.

Guest Editors

Prof. Dr. Hildegard Westphal

Prof. Dr. Justin Ries

Dr. Steve Doo

Deadline for manuscript submissions

closed (5 April 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/88667

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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