

Special Issue

Responses of Marine Invertebrates to Ocean Acidification: From Molecules to Organism

Message from the Guest Editors

Ocean acidification (OA) is occurring at a rate never recorded from the beginning of the Industrial Revolution. OA is the result of human-driven increased levels of carbon dioxide in the atmosphere, that in turn are a consequence of fossil fuel burning and deforestation. Although the capability of seawater to absorb CO₂ from the atmosphere is beneficial in terms of limiting increases in atmospheric CO₂ levels, relevant changes may occur in the ocean chemistry, such as lowering of seawater pH and carbonate saturation. Decreased ocean pH has the potential to affect biological responses of living organisms, calcifying marine species in particular. In this context, it is crucial to investigate the effects of OA on marine biota. In this Special Issue, we call for review and original research papers focused on the effects of ocean acidification to marine organisms, from molecule to organism level. Results of both field and laboratory studies are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



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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

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