

Special Issue

Marine Carbon Systems: Dynamics, Conservation, and Management

Message from the Guest Editors

The carbon sequestration potential of the open ocean and coastal vegetated marine ecosystems was realized long ago as a promising avenue to combat climate change. Coastal vegetated carbon stock plays a crucial role in alleviating the ever-increasing atmospheric CO₂ and CH₄ load emitted through a plethora of anthropogenic activities. Conservation of marine ecosystems to enhance the carbon sequestration potential of natural and artificial marine ecosystems, including mangroves, seagrasses, salt marshes, lagoons, aquaculture ponds, and many other land use/land cover classes has been prioritized on a nationwide scale in many countries.

The present Special Issue of *Life* invites papers from this vast spectrum of topics that essentially includes marine carbon as the focal theme. We welcome submissions from any allied field that deal with the dynamics, conservation, and management of marine carbon and marine ecosystems, including coastal and open sea regions. The primary aim of this Special Issue is to collate cutting-edge research that can showcase marine carbon as a tool to alleviate global climate change.

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Deadline for manuscript submissions

closed (29 September 2023)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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