

Special Issue

Satellite Monitoring of Ocean

Message from the Guest Editor

This Special Issue focuses on satellite monitoring of the ocean. The issue contains articles dedicated to modern approaches to solving problems of remote diagnostics of processes on the surface, in the near-surface layer and in the deep layers of the ocean. Particular attention is paid to the use of satellite methods for the analysis of various anomalous phenomena in the seas and oceans. The physical features of the formation of signal fields in ocean remote sensing facilities and methods to retrieve significant parameters of the aquatic environment are considered. The possibilities of using passive and active methods and means operating in various ranges of the spectrum of electromagnetic waves for monitoring processes and phenomena in the ocean are shown. The results of the study of anthropogenic and natural impacts on sea areas, based on the analysis of satellite images, are presented. The capabilities of methods and assets for processing large flows of satellite information to solve problems of satellite oceanography are analyzed. The issues of assimilation of remote sensing data in numerical ocean models are considered.

Guest Editor

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Deadline for manuscript submissions

closed (15 October 2022)



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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).