

# 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.

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### Guest Editor

Prof. Dr. Valery Bondur

Institute for Scientific Research of Aerospace Monitoring  
"AEROCOSMOS", Moscow, Russian Federation

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### Deadline for manuscript submissions

closed (15 October 2022)



## Journal of Marine Science and Engineering

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an Open Access Journal  
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Impact Factor 2.8  
CiteScore 5.0



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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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