

## Special Issue

# Ocean Big Data Application - Engineering

### Message from the Guest Editors

Ocean observation represents a crucial task for human communities. Above sea level, this entails the implementation of maritime surveillance platforms, typically addressing security and safety issues (vessel traffic monitoring, search and rescue) as well as environmental sustainability aspects (fishery, pollution). On the other hand, the submerged ocean environment poses equally hard challenges for what concerns oil and gas exploitation or biology and cultural heritage safeguard. Performing the mentioned activities operationally requires the collection of a huge amount of multi-source and multi-sensor data. Publications in this Special Issue will aim at composing a comprehensive overview of the several aspects that emerge in the implementation of ocean observation platforms through big data processing.

- Ocean data representation, analysis and learning
- Deep learning applied to big data for ocean observation
- Techniques for data processing applied to ocean observation and cultural heritage safeguard
- Target detection, classification and identification in ocean data
- Vessel traffic monitoring
- Marine pollution monitoring along with sea environment monitoring issues

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2019)



## Journal of Marine Science and Engineering

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an Open Access Journal  
by MDPI

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Impact Factor 2.8  
CiteScore 5.0



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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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### Author Benefits

#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

#### Rapid Publication:

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).