

## Special Issue

# Decision Support Systems and Tools in Coastal Areas

### Message from the Guest Editor

The importance of coastal areas is well known since they provide resources and homes to humans and are among the most productive areas in the world, where a variety of ecosystems meet. Coastal ecosystems provide not only habitat for a wide range of marine plants and animals but numerous ecosystem services; their role in global climate is also critical. There is a need for appropriate tools and decision-support systems (DSSs) to analyze the vulnerability of coastal areas as well as the risks from potential threats and their impact. It is also necessary to identify and evaluate possible management options and scenarios in order to support policy makers in adopting robust decisions for sustainable coastal management and development. In this Special Issue, we encourage the submission of papers related to the design and development of computerized information systems and tools that support decision-making activities in coastal areas using new technologies, data from various sources (i.e., satellites, UAVs, cruises), spatial databases, mapping and visualization techniques, spatial analysis methods, and/or appropriate modeling techniques.

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### Guest Editor

Dr. Dimitra Kitsiou

Department of Marine Sciences, School of the Environment, University of the Aegean, Lesvos, Greece

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### Deadline for manuscript submissions

closed (25 September 2023)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
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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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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).