

Special Issue

Advanced Instruments for Marine Research

Message from the Guest Editor

The need of new observing technologies and networks is a priority of the Global Ocean Observing System (GOOS) 2030 Strategy to enhance the understanding of ocean processes for the sustainable management of marine ecosystems and future climate change scenarios. Innovations in subsea technology, sensors, autonomous systems, computing and data transmission produced new ways in ocean observing and monitoring, strengthening operational oceanography and improving decision making processes in many sectors of the global maritime economy. Despite all these rapid advances, there is still a lack of observations. In this context, cost-effective technologies are fundamental to support sustained observational networks, reducing the cost of oceanographic surveys and improving spatial and temporal data coverage. This special issue explores and shares innovative investigations on marine sensing technologies and applications, state of the art of current instruments and platforms used for marine research, including in situ sampling techniques, buoys, floats, underwater vehicles, autonomous systems, integrated sensor networks and observatories as well as low-cost technologies.

Guest Editor

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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

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