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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Deadline for manuscript submissions

closed (30 June 2020)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/23921

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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.

Editor-in-Chief

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