

Special Issue

Machine Learning Methodologies and Ocean Science

Message from the Guest Editors

Oceanic changes attributed to climate change are having significant impacts on marine and non-marine life forms across the globe. These direct and indirect changes manifest across time and space, requiring timely, accurate, and reliable data for decision making to identify and prioritise risks and to develop effective mitigation and adaptation strategies. For example, globally, sea level rise (SLR) is caused by the thermal expansion of ocean waters combined with freshwater input from melting glaciers and ice sheets. Between 1901 and 1990, the rate of global mean SLR was 1.35 mm/year greater than the rate of SLR in any century over the last 3000 years (IPCC, 2022). However, rates of SLR and other oceanic changes differ depending upon geographical factors and context. With the availability of ground-based and remote sensing datasets, machine learning techniques have provided highly accurate and reliable platforms to determine projections of future oceanic changes.

Guest Editors

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Deadline for manuscript submissions

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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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