

Special Issue

Ocean Digital Twins

Message from the Guest Editors

Ocean Digital Twins (ODT) are digital representations of the real-world ocean, achieved through multi-variable and multi-dimensional descriptions of properties of the physical ocean environment. ODT integrate data can describe the entire marine environment, such as water physical properties, low atmospheric and biochemical processes, biodiversity data, sediment transport, interaction with human-made structures, citizen science observations, etc., as well as socio-economic data, such as demographics, economic activities, impacts of pollution, etc. Therefore, ODT is an inherently multi-disciplinary area covering fundamental research to real-life applications. This issue aims at compiling the first experience from the development and application of ODT. Original research and review papers and technical reports are welcome in the following areas: Recent developments in ODT; Systems and models that have the potential to be used in ODT; Methods of integrating different data and models, making data interoperable across platforms; The infrastructure needed for ODT; Progress in utilizing available data and platforms, such as EMODnet and Copernicus; ODT Case studies

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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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