

# Special Issue

## Marine Ecological Modelling

### Message from the Guest Editor

Marine ecological modelling is a broad subfield of ecology. One of the major challenges in this field is presented by biological–physical coupling, as this requires linking processes of different natures occurring at different scales of variation. In this Special Issue, “Marine Ecological Modelling”, we would like to explore how semi-enclosed littoral and estuarine (SELE) ecosystems can be simulated based on coupling biological and physical processes. Physical processes primarily describe the influence of hydrodynamics on both benthic and pelagic organisms at the land–sea interface, creating complex dynamics. In addition, semi-enclosed littoral and estuarine ecosystems are subject to many anthropogenic pressures, and modelling should also be considered as a central approach for management and conservation. This Special Issue aims to portray the present state of the art in SELE ecosystem modelling, emphasizing not only ecosystem properties that have already been characterized and shape management, but also issues that are not yet solved and should be addressed in the future.

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### Guest Editor

Prof. Dr. Jean-Marc Guarini

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Brest, France

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### Deadline for manuscript submissions

closed (1 August 2023)



## Journal of Marine Science and Engineering

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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

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