Special Issue

Dynamics of Micro-Tidal Bays and Estuaries

Message from the Guest Editors

Estuaries and coastal bays control the exchanges between riverine and oceanic systems. The study of these systems usually requires multidisciplinary approaches. Estuaries are subject to intense mixing dynamics that control their ecological and sediment characteristics. This Special Issue will provide a collection of original research articles on recent advances in observations, modeling, and analyses in micro-tidal coastal bays and estuarine systems. Topic areas include:

- Observations in estuaries and bays
- Numerical modelling of estuarine dynamics and ecosystems
- Circulation in shallow environments
- Coastal bays and estuarine circulation
- Wave, tidal and storm forcing of semi-enclosed environments
- Mixing in estuaries
- Inlet hydrodynamics and morphodynamics
- Estuarine response to climate change
- Water quality and light conditions
- Residence, flushing and other hydrodynamic time parameters
- Dynamics around estuarine turbidity maxima
- Sedimentary processes and morphodynamics in estuaries and bays

Guest Editors

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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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