

Special Issue

Extreme Weather Impacts on Coastal and Estuarine Circulations and Transport Processes

Message from the Guest Editors

This Special Issue invites contributions about advances in modelling and observations of extreme weather impacts on coastal, continental shelf, and estuarine processes. We welcome theme-based studies using any appropriate tools, such as modeling, traditional in situ and remote sensing observations, innovative observations and modeling approaches, or a combination of different approaches. Example topics include, but are not limited to, any extreme weather related oceanographic, estuarine, or otherwise general geophysical fluid dynamical processes, mechanisms of extreme weather driven dynamics involving circulations, flushing of estuarine systems, continental shelf processes, impact to stratification and related DO problems, exchange of estuarine and shelf waters, and transport of water, energy, salt, nutrients, fish larvae, and pollutants, such as microplastics. Studies using single models, coupled models, and Earth Systems Models are all acceptable. Interdisciplinary topics and applications of new observational and modeling techniques presented in research articles, review articles, and case studies are welcome.

Guest Editors

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Prof. Dr. João Miguel Dias
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Deadline for manuscript submissions

closed (15 May 2024)



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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

Prof. Dr. Charitha Pattiaratchi

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