

## 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.

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### Guest Editors

Prof. Dr. Chunyan Li

Prof. Dr. João Miguel Dias

Dr. Mohammad Nabi Allahdadi

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### Deadline for manuscript submissions

closed (15 May 2024)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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Western Australia, Perth, WA 6009, Australia

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