

Special Issue

Air-Sea Interaction and Marine Dynamics

Message from the Guest Editors

Air-sea exchanges of momentum, heat and freshwater are known to be major contributors to ocean dynamics at a range of spatiotemporal scales. Over the last decades, major advances in ocean monitoring tools, such as the international ARGO float programme, the introduction of ocean gliders and the further expansion of coastal HF radars, as well as the further development of satellite oceanographic products and concurrent developments in ocean simulations and services like Copernicus, provide unprecedented capacity to investigate the complex interactions between the geophysical fluids that determine the planet's climate in depth. This Special issue is an opportunity to present the current developments in the analysis and understanding of complex interactions between the atmosphere and the upper and deep ocean at a range of spatiotemporal scales, as they emerge through the exploitation of the new monitoring and modeling capabilities of the scientific community.

Guest Editors

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Deadline for manuscript submissions

closed (5 July 2025)



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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

Prof. Dr. Charitha Pattiaratchi

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