

Special Issue

Models of Ocean-Wave-Atmosphere Interaction Processes

Message from the Guest Editor

Ocean surface covers 70% of global earth surface. In air-sea interface, the ocean-wave-atmosphere interactions control momentum of heat and mass transfer between the atmosphere and ocean, which plays a critical role in the weather and climate systems. Accurate representation of ocean-wave-atmosphere interaction processes in models is centrally important for climate and weather predictions, as well as mechanism studies of extreme events. Meanwhile, ocean-wave-atmosphere interactions are important processes to understand the evolution of marine extreme events and climate change. Various methods, including in situ measurements, large-eddy simulations, coupled model simulations, machine learning, etc., have been used to explore the ocean-wave-atmosphere interaction processes and their impacts on weather and climate. We seek to gather a series of publications that highlight new findings on various aspects of air-sea turbulent fluxes, gas transfer, boundary layer processes, parametrization development, coupled model development, simulations of marine extremes and climate.

Guest Editor

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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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