

Special Issue

Advancements in Autonomous Systems for Complex Maritime Operations

Message from the Guest Editors

Recent years have witnessed significant advancements in autonomous systems that have transformed ocean exploration and development. Autonomous Underwater Vehicles (AUVs), Unmanned Aerial Vehicles (UAVs), and Maritime Autonomous Surface Ships (MASSs) are playing increasingly important roles in promoting our understanding and utilization of ocean resources. However, the intricate ocean environment presents unique challenges, including dynamic weather conditions, unpredictable sea states, limited underwater communication, uncertain hydrodynamics, diverse operational requirements, and mission-specific constraints. These factors complicate the deployment and operation of autonomous systems in maritime applications. This Special Issue aims to collect cutting-edge research that addresses these challenges and advances the field of autonomous maritime systems, providing the academic community with innovative solutions and methodologies for complex maritime operations. This Special Issue invites submissions concerning the latest experimental and simulation studies related to autonomous systems in maritime environments.

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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

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