

Special Issue

Advances in Underwater Positioning and Navigation Technology

Message from the Guest Editors

The realm of underwater exploration and operations has been transformed by significant advancements in positioning and navigation technologies. This Special Issue is dedicated to capturing the latest research, innovations, and practical applications in underwater positioning and navigation. As the need for precise navigation systems grows in fields such as marine resource exploration, environmental monitoring, and underwater construction, this issue invites contributions from researchers, academics, and industry experts. The focus is on cutting-edge technologies, including acoustic positioning systems, inertial navigation, diver navigation, and autonomous underwater vehicle (AUV) navigation. It aims to showcase breakthroughs in sensor integration, algorithm development, and real-time data processing to improve precision and reliability. By tackling challenges such as dynamic water conditions, complex underwater terrain, and attenuation and scattering of sound wave propagation, this Special Issue aspires to be a comprehensive resource for enhancing the capabilities and applications of underwater navigation systems worldwide.

Guest Editors

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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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