

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

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

Prof. Dr. Charitha Pattiaratchi

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