

Special Issue

Application of Hydroelasticity in Marine Engineering

Message from the Guest Editors

Background: Hydroelasticity involves the coupling of fluid and elastic motions and has wide applications in marine engineering, ranging from the design of ships to safe navigation in ice-infested oceans.

Aim and scope: This Special Issue aims to bring together recent research on this topic and establish new research directions.

History: The study of hydroelasticity has a long history, but it gained traction in marine engineering in the 1990s with advances in the modelling of sea ice and the design of very large floating structures. Subsequently, the topic has experienced exponential growth.

Cutting-edge research: Many essential research problems in the fundamentals of hydroelasticity remain, including time-dependent effects, resonances, and non-linearities. New application areas are beginning to emerge, for example, ship wave interaction with ice-covered oceans, floating solar farms, elastic wave energy converters, and many others.

What kind of papers we are looking for: We are looking for papers that describe cutting-edge research, connections between existing but disparate application areas, review-type articles, and articles which focus on new and important research directions.

Guest Editors

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Deadline for manuscript submissions

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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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