

Special Issue

Symmetry in Marine Hydrodynamics: Applications to Ocean Engineering

Message from the Guest Editors

We are inviting submissions to this Special Issue entitled 'Symmetry in Marine Hydrodynamics: Applications to Ocean Engineering'. This Special Issue explores the complex symmetry hydrodynamics of ocean engineering problems. Ocean engineering encompasses the development, design, and implementation of various structures utilized in marine environments. It also includes the analysis of challenges associated with hydrodynamics, wave forces, stability, and structural resilience. The application of symmetry in marine hydrodynamics holds significant importance in the functionality and performance of ocean engineering problems. With this Special Issue, our goal is to compile a collection of research papers, review articles, and short communications that explore various facets of symmetry in marine hydrodynamics, offering valuable insights and progress in analytical modeling, numerical simulation, and prototype testing. Contributions that analyze symmetry wave structure interactions under nonlinear effect applications in marine structures are particularly welcome.

Guest Editors

Dr. Sarat Chandra Mohapatra

Centre for Marine Technology and Ocean Engineering (CENTEC),
Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais,
1049-001 Lisboa, Portugal

Prof. Dr. Mike Meylan

School of Mathematical and Physical Sciences, The University of
Newcastle, Callaghan, NSW 2308, Australia

Deadline for manuscript submissions

30 June 2026



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/225073

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),
C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1
(General Mathematics)