



Energy Saving Devices for Ships

Guest Editors:

Prof. Dr. Kostas Belibassakis

School of Naval Architecture &
Marine Engineering, National
Technical University of Athens,
Athens, Greece

Dr. George Papadakis

School of Naval Architecture &
Marine Engineering, National
Technical University of Athens,
Athens, Greece

Deadline for manuscript
submissions:

closed (30 August 2023)

Message from the Guest Editors

Dear Colleagues,

Energy-saving devices for ships have become a subject of intensive research and development in recent times, aiming at reducing fuel consumption and emissions and contributing to Blue Growth. A particular class deals with devices controlling the hydrodynamic flow properties, leading to drag reduction, improving the hull-propeller interaction and the propeller performance. Another important category is based on the exploitation of renewable energy, such as wind, wave and solar to improve the overall ship performance. Many of the developed systems are considered particularly suitable for retrofitting seagoing vessels.

The Special Issue will welcome submissions about :

Energy-saving devices improving ship hydrodynamic performance;

Renewable energy powered marine vehicles;

Biomimetic systems and flapping thrusters;

Systems augmenting ship propulsion in waves;

Wind-assisted ship propulsion;

Experimental and computational ship hydrodynamics.

Prof. Dr. Kostas Belibassakis

Dr. George Papadakis

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA
Oceans Institute, The University
of Western Australia, Perth, WA
6009, Australia

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.

Author Benefits

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

High Visibility: indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Contact Us

*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmse
jmse@mdpi.com
X@JMSE_MDPI