

Special Issue

Transdisciplinary Approach in Sustainable Shipping: Transition to a Zero-Emission Maritime Industry

Message from the Guest Editors

This Special Issue invites studies that explore a zero-emission maritime sector with a comprehensive focus on the entire value chain. We invite contributions that share insights from engineering, environmental science, economics, policy, and social sciences. Topics of interest include sustainable shipbuilding practices, advancements in green ship technologies, port decarbonization strategies, and the policy frameworks necessary to drive the transition to zero-emission shipping. Our goal is to provide a transdisciplinary perspective on how the maritime industry can achieve its sustainability targets and contribute meaningfully to global decarbonization efforts. Research areas of particular interest include (but are not limited to) the following:

- Advanced propulsion systems;
- Alternative fuels;
- Automation;
- Carbon abatement technologies;
- Carbon capture, utilization, and storage (CCUS);
- Digitalization ;
- Energy efficiency measures;
- New energy carriers;
- Energy transition in shipping;
- Green technologies;
- Global and regional policies for sustainable shipping;
- Economic incentives ;
- Lifecycle assessment.

Guest Editors

Dr. Seyedvahid Vakili

School of Engineering, Civil-Maritime-Environmental Engineering,
University of Southampton, Southampton, UK

Dr. Anastasia Christodoulou

Department of Maritime Studies, School of Maritime & Industrial
Studies, University of Piraeus, 18533 Piraeus, Greece

Deadline for manuscript submissions

31 December 2025



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/216109

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)