

## Special Issue

# Sustainable Marine Engineering and Efficient Marine Transportation of Energy

### Message from the Guest Editors

This Special Issue addresses critical scientific and technological advancements in sustainable ship design, shipbuilding, navigation, and efficient energy transportation. As global maritime activities contribute significantly to environmental pollution, there is an urgent need for innovative solutions that reduce ecological footprints while enhancing efficiency. Emphasis is placed on the development of new marine propulsion systems and alternative fuels, which are pivotal in reducing emissions and improving fuel efficiency. Additionally, the exploration of marine renewable energy systems offers promising avenues to sustainably power maritime operations. The lifecycle assessment of ships and marine engineering is also crucial to ensure long-term sustainability from construction through decommissioning. By examining the entire lifecycle, we can identify opportunities to reduce environmental impact at every stage. Furthermore, implementing effective regulatory and policy frameworks is essential to enforce sustainable practices and encourage the industry-wide adoption of green technologies.

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### Guest Editors

Dr. Luca Braidotti

Department of Engineering and Architecture, University of Trieste, Via A. Valerio 10, 34127 Trieste, Italy

Dr. Serena Bertagna

Department of Engineering and Architecture, University of Trieste, Via A. Valerio 10, 34127 Trieste, Italy

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Sustainability

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*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

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