

Special Issue

Sustainable Maritime Transportation: Energy Consumption, Competition and Efficiency

Message from the Guest Editors

Energy consumption plays a pivotal role in sustainable maritime transportation: technical measures such as EEDI are concerned with energy-efficient ship design; operational measures such as EEOI and SEEMP are about ship speed and engine power to consume fuel efficiently; further alternative fuels which are low- and zero-emission are encouraged to be adopted; and cold ironing converts the fuel consumption of ships at berth to electricity. Therefore, the main agenda in this respect is to discuss how maritime transportation should pursue sustainability in order to gain competitiveness and achieve efficiency in relation to energy consumption. The aim of this Special Issue is to address a range of theoretical and practical issues in sustainable maritime transportation from the perspective of energy consumption. Approaches to these issues can be at the level of operations, management and strategy, corporate governance, and governmental and inter-governmental policies. A variety of methods can be applied, including statistical analysis, mathematical analysis, case studies, survey and interview studies, operations research, and so on.

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