

Special Issue

Resilience and Capacity of Waterway Transportation

Message from the Guest Editors

This Special Issue aims to compile the latest research findings and practical experiences around the world, seeking to provide scientific evidence and strategic guidance for decision makers and practitioners to strengthen waterway transportation resilience, enhance waterway efficiency, ensure navigation safety, and promote the sustainable development of intelligent shipping. By adopting an interdisciplinary perspective, this Special Issue will address the urgent need for a safe, efficient, and green waterway transportation network in the context of global economic integration. We invite contribution topics but not limited to:

- Advanced technologies in intelligent shipping;
- Big data analytics and AI in waterway transportation management;
- Optimization of waterway route planning;
- Quantitative analysis of waterway capacity;
- Risk mitigation in waterway navigation;
- Integration of environmental protection and economic efficiency in waterway management;
- Policy and regulatory frameworks for enhancing waterway transportation resilience;
- Case studies on recent incidents and their impact on waterway transportation.

Guest Editors

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About the Journal

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.

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