Special Issue

Ocean Renewable Energy Systems (ORES); Wave–Structure Interaction Analysis and Design Methods

Message from the Guest Editors

Ocean Renewable Energy Systems (ORES) are at a critical crossroad; Offshore Wind Turbines (OWTs) have proven that may lead the energy outlook in years to come and Wave Energy Converters (WECs) are in the critical phase of their reconsideration and redesign. In this context, this Special Issue invites original scientific contributions on topics including, without being limited to: Wave–structure interaction and numerical analysis of Ocean Renewable Energy Systems (Offshore Wind Turbines; Wave Energy Converters; combined concepts; multi-purpose ORES). Numerical modelling and design methods for OWTs farms and WECs arrays. Co-located OWTs farms and WECs arrays Near-field (e.g. hydrodynamic, aerodynamic) and far-field (e.g. environmental, coastal erosion) interaction effects of farms and arrays of ORES. Numerical model and design methods upgrade with the use of physical model experiments, real field data and artificial intelligence. Risk, reliability, residual strength and resilience of ORES and their structural components. Numerical methods for Life Cycle Analysis of ORES. Structural Health Monitoring methods for safety and life extension of ORES.

Guest Editors

Dr. Constantine Michailides

Department of Civil Engineering, International Hellenic University (IHU), Thessaloniki, Greece

Dr. Wei Shi

1. State Key Laboratory of Coastal and Offshore Engineering, Dalian University of Technology, Dalian 116024, China
2. Research Institute, Dalian University of Technology in Shenzhen, Shenzhen 518057, China

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Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

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

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