



Offshore Installations and Wave Power Generation

Guest Editors:

Dr. Nianxin Ren

Department of Civil Engineering
and Architecture, Hainan
University, Haikou, China

Dr. Zhe Ma

Deepwater Engineering Research
Center, Dalian University of
Technology, Dalian, China

Prof. Dr. Zhiyu Jiang

Department of Engineering
Sciences, University of Agder,
Kristiansand, Norway

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Message from the Guest Editors

Dear Colleagues,

Various types of offshore installations are needed in coastal areas and ocean zones. Traditionally, offshore structures have been mainly constructed for the offshore oil and gas industries. To tackle climate change and to meet energy demands, innovative offshore installations can be considered, such as floating renewable energy facilities and floating transportation infrastructures. Among the floating renewable energy facilities, many wave energy converter (WEC) technologies are still at a pre-commercial stage, and significant research and development are required to improve their competitiveness. For example, the integration of WECs in multifunctional offshore structures can be an interesting alternative. On one hand, WECs can supply power to integrated structures, e.g., aquaculture platforms, wind turbine platforms, oil and gas platforms, or modular floating structures. On the other hand, WECs can serve as a floating wave-breaker to reduce wave loads acting on integrated structures.





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Editor-in-Chief

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

Message from the Editor-in-Chief

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Contact Us

*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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