



Sustainable Use of Marine Resources: Green Construction, Safe Operation and Environmental Impact of Offshore Projects

Guest Editors:

Prof. Dr. Chong Jiang

School of Resources and Safety Engineering, Central South University, Changsha 410083, China

Prof. Dr. Minghui Yang

School of Architecture and Civil Engineering, Xiamen University, Xiamen 361005, China

Dr. Pingbao Yin

School of Civil Engineering, Changsha University of Science & Technology, Changsha 410114, China

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Message from the Guest Editors

This Special Issue focuses on offshore engineering issues involved in the sustainable use of marine resources. The exploitation of marine resources depends on the construction of infrastructure, meaning that the construction, operation and impact of offshore projects on marine environments will affect the sustainable utilization of marine resources.

The resourceful use of marine materials instead of traditional building materials will be helpful in reducing project costs, saving energy and reducing carbon emissions. Similarly, the research and development of new energy conversion systems can improve the utilization rate of marine energy. The marine environment is complex and changeable, long-term corrosion and extreme weather will inevitably lead to project damage, resulting in energy supply interruption, energy leakage, sea area pollution and other problems. Therefore, systematic research on these issues is the key to avoiding disasters. In addition, the application of emerging digital technology to offshore engineering can effectively improve the level of intelligent marine resource utilization.





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Editor-in-Chief

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

Message from the Editor-in-Chief

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

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