

Special Issue

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

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.

Guest Editors

Prof. Dr. Chong Jiang

Prof. Dr. Minghui Yang

Dr. Pingbao Yin

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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