



High-Efficient Exploration and Development of Oil & Gas from Ocean

Guest Editors:

Prof. Dr. Mianmo Meng

Dr. Wenming Ji

Dr. Guodong Cui

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Message from the Guest Editors

Dear Colleagues, There are still some critical problems in developing unconventional oil and gas. First, the selection of sweet points is still challenging from a geological perspective. The explanation of geophysical data (wireline logs and seismic data) to identify the most favorable layers remains controversial. Second, prospecting well can directly recover the sample from the target layers, and detailed information about the fluid and reservoir aids selecting the best layer for development. It is also problematic to evaluate hydrocarbon occurrence, especially movability in situ conditions. Finally, hydraulic fracturing is a basic method which is widely used to develop the most unconventional oil/gas. However, there remain unsolved problems with generating the ideal fracture network due to complex natural cracks and artificial fractures. The highly efficient development of unconventional offshore oil/gas, such as gas hydrate, is still challenging and attracts a great amount of attention.





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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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