



High-Efficient Exploration and Development of Oil & Gas from Ocean —2nd Edition

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Deadline for manuscript
submissions:

closed (5 October 2024)

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 a sample from the target layers, and detailed information about the fluid and reservoir aids in selecting the best layer for development. It is also problematic to evaluate hydrocarbon occurrence, especially movability, in 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 an 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 deal of attention. This Special Issue proposes a collection of state-of-the-art research on the exploration and development of unconventional offshore oil/gas.





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Message from the Editor-in-Chief

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