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

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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 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

Journal of Marine Science and Engineering (*JMSE*, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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