

Special Issue

Marine Well Logging and Reservoir Characterization

Message from the Guest Editors

Reservoir Characterization is an essential topic in offshore energy exploration and development. It refers to the comprehensive analysis of well logging data, seismic data, and geological data to characterize the properties of the reservoirs, such as lithology, physical properties, and hydrocarbon-bearing properties. During the exploration stage, seismic data plays a critical role, while in the development stage, well logging offers more value for precisely characterizing hydrocarbon reservoirs. This Special Issue focuses on using marine well logging data primarily, integrated with geological and core analysis data, to address the challenges of characterizing complex offshore reservoirs. Potential topics include, but are not limited to, the following: (1) Characterization of offshore reservoirs, including low-permeability reservoirs, shallow gas reservoirs, and buried-hill reservoirs; (2) Research on petrophysics, fracture characterization, pore-structure analysis, heterogeneity evaluation, and reservoir performance evaluation; (3) Sedimentological and stratigraphic analysis; (4) Applications of artificial intelligence and machine learning.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering (JMSE)*, ISSN 2077-1312 is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

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