

Special Issue

Geological and Engineering Problems in the Development of Unconventional Oil and Gas Reservoirs (2nd Edition)

Message from the Guest Editor

This Special Issue aims to bring together cutting-edge research on the latest challenges and advancements in unconventional hydrocarbon reservoir exploration and development.

- **Reservoir Characterization:** Petrophysical, geomechanical, and geochemical evaluations.
- **Seismic and Well Log Interpretation:** 2D/3D seismic analysis, fracture modeling, and log-based reservoir assessment.
- **Exploration and Development Strategies:** Advances in hydraulic fracturing, drilling technologies, and enhanced recovery methods.
- **Basin Analysis and Petroleum Systems:** Source rock evaluation, migration pathways, and unconventional resource assessment.
- **Machine Learning and AI Applications:** Predictive modeling for reservoir performance and optimization.

Guest Editor

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