

Special Issue

Exploring Hydrocarbons in Carbonate Reservoirs

Message from the Guest Editors

Carbonate reservoirs are one of the obstacles in exploration and development due to their complex geological conditions, strong heterogeneity, and diverse types. In recent years, with the development of geological theories, rock physical technologies, well-logging evaluation methods, forward modelling, fracture prediction, and fluid detection, many new advances have been made in carbonate reservoir exploration technologies, evaluation methods, and field applications. This Special Issue will compile research results on petrophysics, numerical simulation, well-logging evaluation, reservoir prediction, and other oil and gas exploration methods and technologies of carbonates, as well as practical application studies. Topics of interest for publication include, but are not limited to:

- Theory, experiments, and application of rock physics.
- Construction method and numerical simulation of carbonate digital rock models.
- Logging identification and parameter evaluation of carbonate reservoirs.
- Prediction of fluid distribution and geophysical response in carbonate reservoirs.
- Application of hydrogeology in carbonate geomorphology and key zones.

Guest Editors

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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