

Special Issue

Reservoir Characterization on Conventional and Unconventional Resources

Message from the Guest Editors

Understanding reservoir characterization is the first step towards the better exploitation of energy resources. In recent decades, several studies have been focused on the reservoir characteristics of conventional resources. However, unconventional resources have gained more attention as alternative future energy solutions rather than depleted conventional resources. The energy industry is facing technical challenges in terms of drilling, exploration, development and production of conventional and unconventional resources. This Special Issue will attempt to cover the most pressing technical challenges for developing both conventional reservoirs and unconventional energy sources. Topics of interest will include:

- Sedimentological and diagenesis analysis;
- Pore evolution and structure of reservoirs;
- Geochemical characteristics;
- Petroleum geomechanics;
- Well logging application in resource assessment;
- Machine learning application;
- EOR and CO₂ storage;
- Subsurface modeling;
- Case studies;
- Reservoir engineering (e.g., formation damage, production optimization, water flooding, stimulations, fluid flow, enhanced recovery, drilling, fluids and casing design).

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Message from the Editor-in-Chief

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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