Special Issue

Advances in Reservoir Geology and Exploration and Exploitation

Message from the Guest Editors

The complex process of oil and gas accumulation under different environmental conditions is understood, and the methods of oil and gas migration and accumulation in heterogeneous reservoirs have been determined. This promotes the development of geological theory and description technology for oil and gas reservoir geology, and can better predict the distribution of various oil and gas accumulations, including unconventional, deeply buried, and lithological stratigraphic oil and gas reservoirs. This Special Issue will publish high-quality original papers, with a particular focus on the progress of reservoir geology research from the perspectives of oil and gas migration and accumulation dynamics, as well as its applications in practical exploration and development.

- Heterogeneity characteristics of reservoirs and their diagenetic evolution process.
- Fault deformation mechanism, sealing, and fluid migration.
- Migration and accumulation of oil and gas in heterogeneous reservoir/carrier beds.
- Formation mechanism and oil and gas distribution of lithological and stratigraphic reservoirs.
- Unconventional oil and gas enrichment mechanisms and sweet-spot distribution.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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