



Unconventional Oil & Gas Reservoir Seepage and Enhanced Oil Recovery

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Message from the Guest Editors

The Special Issue will expand on essential technical challenges for improving the understanding and management of these unconventional reservoirs.

The challenge laid in producing hydrocarbon from low permeability reservoirs, tight reservoirs, shale reservoirs, oil sands and heavy oil is justifying the necessity of more research being done regarding the fluid flowing mechanisms and enhanced oil recovery methods. This issue will seek to ignite contrasting perspectives towards optimal unconventional oil and gas reservoir management.

Potential topics of interest include, but are not limited to:

- Advances in seepage mechanisms of low permeability, tight reservoir and shale reservoir, as well as in oil sands and heavy oil reservoirs.
- Reservoir damage analysis and evaluation of unconventional reservoirs during production.
- Analysis of interfacial phenomena of rocks with drilling, injected, or in situ fluids for unconventional reservoirs.
- Novel technologies and production methods research in hydrocarbon production from unconventional reservoirs.
- Machine learning and data science applications for unlocking new insights in unconventional resources exploitation.



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Message from the Editor-in-Chief

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