

## Special Issue

# Advanced Studies of Oil and Gas Flow in Unconventional Oil and Gas Reservoir

### Message from the Guest Editors

Hydrocarbons have been explored and produced for many decades, with a particular focus on conventional reservoirs. Increased energy demands coupled with a decline in new conventional resources necessitate the exploration of non-conventional reservoirs such as shale, tight gas sands, coalbed methane, gas hydrates, and tar sands. Because the fluids in these reservoir rocks are bounded by strong capillary forces, with a reduced pathway available for flow, a new set of challenges ranging from characterization to production must be addressed. In recent years, significant technological advances have been witnessed in this field, but further research is still needed. This Special Issue, entitled “Advanced Studies of Oil and Gas Flow in Unconventional Oil and Gas Reservoir”, aims to collect high-quality articles that present new findings, enhance our understanding of the field, and propose novel technologies related to all aspects of unconventional reservoirs

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### Guest Editors

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Dr. Liwu Jiang

Dr. Ahmed Al-Yaseri

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### Deadline for manuscript submissions

25 April 2026



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