

## Special Issue

# Prospects of Deep and Ultra-Deep Oil and Gas Exploration and Development

### Message from the Guest Editors

Abundant oil and gas resources have been found in China's deep basins, including Tarim Basin, Junggar Basin, Sichuan Basin, Ordos Basin, Bohai Bay Basin, and other basins. Recently, major breakthroughs have been made in deep and ultra-deep reservoirs, including conventional carbonate and clastic reservoirs, as well as unconventional shale reservoirs. A series of deep and ultra-deep oil and gas fields (e.g., Anyue gas field, Puguang gas field, Tazhong oil field, Weirong deep shale gas field, Qijiang deep shale gas field, etc.) has also been discovered, demonstrating the huge potential of deep and ultra-deep oil and gas exploration and development. Hydrocarbon generation–retention–expulsion, hydrocarbon stability, reservoir formation, and organic–inorganic interaction in deep and ultra-deep reservoirs are becoming new hot research topics, and a series of achievements have been made in recent years. We therefore call for submissions to be included as part of this Special Issue which covers the new advances in deep and ultra-deep oil and gas exploration and development.

### Guest Editors

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Dr. Xiujian Ding

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### Deadline for manuscript submissions

31 December 2025



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