

Special Issue

New Technology of Unconventional Oil and Gas Development

Message from the Guest Editors

Unconventional oil and gas have become increasingly important to meet the global energy demand. The development of these resources refers to the extraction of hydrocarbons from tight formations, such as shale, coalbed methane, and tight sands, using horizontal drilling and hydraulic fracturing techniques. However, unconventional oil and gas development also poses significant technical, environmental, and economic challenges that require innovative solutions and strategies. This Special Issue aims to present and disseminate the most recent advances of technology for unconventional oil and gas development, etc. Topics of interest for publication include, but are not limited to the following:

- Advanced modelling and theoretical study on unconventional oil and gas development;
- Advanced pore scale or macro scale experimental study on unconventional oil and gas development;
- Novel drilling and completion technology or fluids during the drilling of unconventional oil and gas wells;
- Fracturing technology or fluids in unconventional oil and gas development;
- Field application of novel methods or technology.

Guest Editors

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