



New Technology of Unconventional Oil and Gas Development

Guest Editors:

Dr. Shifeng Zhang

School of Petroleum and Natural Gas Engineering, Changzhou University, Changzhou 213164, China

Dr. Mingxian Wang

School of Earth Sciences and Engineering, Xi'an Shiyou University, Xi'an 710065, China

Dr. Guoqiang Xing

School of Petroleum and Natural Gas Engineering, Changzhou University, Changzhou 213164, China

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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.





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

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MDPI, Grosspeteranlage 5
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