

## Special Issue

# Advanced Fracturing Technology for Oil and Gas Reservoir Stimulation (2nd Edition)

### Message from the Guest Editors

Determining how to enhance and maintain the long-term productivity of these reservoirs is an urgent issue that needs to be addressed. Advanced reservoir stimulation technology is the key to solving these problems. To overcome these challenges, researchers have continued to update the related theory of fracturing and introduce a series of advanced fracturing technologies. The aim of this Special Issue is to present the most recent theoretical research, indoor experimental work, and on-site experiments in the following fields:

- Advanced sweet-spot evaluation methods for hydraulic fracturing;
- Advanced optimization methods for fracturing treatment parameters;
- Advanced simulation methods for fracture propagation and proppant transport, including physical and numerical simulation;
- Advanced fracture conductivity evaluation and prediction methods;
- Advanced fracturing diagnosis methods;
- Evaluation and application of advanced fracturing materials and equipment;
- Advanced fracturing technology application case studies.

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### Guest Editors

Dr. Yuxuan Liu

Prof. Dr. Mao Sheng

Prof. Dr. Jianwei Tian

Dr. Jie Zeng

Dr. Chunming He

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### Deadline for manuscript submissions

10 May 2026



## Processes

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