

## Special Issue

# Hydraulic Fracturing Experiment, Simulation, and Optimization

### Message from the Guest Editors

This Special Issue, entitled “Hydraulic Fracturing Experiment, Simulation, and Optimization”, seeks high quality works focusing on the latest research findings in relation to geological engineering integration and fracture optimization in reservoir modification. Topics of interest include, but are not limited to, the following:

- Integrated geomechanical modeling and fracture propagation simulations;
- Integrated approaches to geomechanics and fracturing optimization;
- Innovative reservoir modeling and optimization techniques;
- Multi-physics simulations for fracture design and optimization;
- Machine learning and data integration in fracturing optimization;
- Fracture–reservoir interaction modeling for effective field development.

Thank you and I hope you consider contributing to this Special Issue.

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### Guest Editors

Dr. Bo Wang

Dr. Jie Wang

Dr. Shiqian Xu

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### Deadline for manuscript submissions

15 April 2026



## Processes

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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