Special Issue

Advances in Enhancing Unconventional Oil/Gas Recovery, 3rd Edition

Message from the Guest Editors

In recent years, unconventional reservoirs (tight gas/oil reservoirs, coalbed methane, shale gas/oil reservoirs, etc.) have attracted massive attention and have played a significant role in satisfying growing energy demands. This Special Issue is dedicated to attracting high-quality original research and reviews, focusing on advances in enhancing unconventional oil/gas recovery. Potential topics include, but are not limited to, the following:

- Enrichment and migration mechanisms;
- Fundamental studies of coupled transport, reactions, and/or mechanics;
- Petrophysical properties in unconventional reservoirs;
- New advances in hydraulic fracturing;
- Multiscale and multiphysics modeling;
- Fluid injection (gas, water, surfactant, microemulsion, etc.);
- Novel methods for enhanced hydrocarbon recovery (CO2-EOR, CCUS, chemical, microbial);
- Molecular simulation on fluid adsorption characteristics;
- Machine learning and data science applications for unlocking unconventional reservoirs;
- Practices and lessons from field applications.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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