

Special Issue

Multiphase Flow, and Efficient Development Methodology and Technology in Unconventional Reservoirs (2nd Edition)

Message from the Guest Editors

This Special Issue focuses on the sustainable development of unconventional oil and gas resources, recent advances, and the challenges they are facing for sustainability. We aim to gather researchers in the aforementioned fields to highlight the current development of novel techniques; exchange the latest knowledge regarding the underlying mechanisms; present advanced algorithms for modeling and innovative experimental methods; and facilitate collaboration between researchers in different fields. We welcome the submission of both original research and review articles. Potential topics include, but are not limited to, the following:

- Multi-scale simulations of fluid flow in fracture-vuggy carbonate reservoirs;
- Adsorption and desorption in shale and CBM;
- New advances in natural gas hydrate development;
- Gas injection assisting heavy oil development;
- The efficient utilization of multifunctional foam fluid;
- CO₂-based enhanced oil recovery (EOR) in unconventional oil and gas reservoirs;
- CO₂ storage in abundant reservoirs.

Guest Editors

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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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