



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

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### 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;
- CO<sub>2</sub>-based enhanced oil recovery (EOR) in unconventional oil and gas reservoirs;
- CO<sub>2</sub> storage in abundant reservoirs.



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## Message from the Editor-in-Chief

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