Special Issue

New Advances of Sustainability Development in Numerical Modeling and Engineering Technology of Unconventional Oil and Gas Extraction

Message from the Guest Editors

In order to address global energy demands amidst declining conventional reserves, it is now crucial to develop unconventional hydrocarbon resources, including shale gas, tight oil, oil sands, and coalbed methane. Meanwhile, more and more countries are looking to promote sustainability. Despite the global reserves of unconventional oil and gas far exceeding those of conventional resources, the global production of unconventional resources remains low, and technical challenges are often encountered when aiming to sustainability explore and exploit these resources. This Special Issue aims to present the novel technologies and methods developed for the evaluation and exploitation of unconventional oil and gas. We welcome interested authors to submit original research and review articles that address the sustainable development of unconventional oil and gas resources, unconventional energy extraction technology, and hydraulic fracturing-induced earthquakes.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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