Special Issue

Enhanced Oil Recovery for Unconventional Oil and Gas Reservoirs

Message from the Guest Editors

With the massive consumption of conventional oil and gas resources, research on unconventional oil and gas resources of tight oil and gas, shale oil and gas, etc., has become of primary interest in the last decade. Development and production of these reservoirs is a capital and labor-intensive enterprise due to their low porosity and permeability, which prompts oil suppliers to seek advanced theories, methods, and technologies for increasing oil recovery. This Special Issue aims to present the latest progresses in this interesting area, in particular, fundamental theory and technology in enhancing recovery of tight and shale reservoirs, frontier fields of shale oil in situ conversion, natural gas hydrate, etc., including reservoir evaluation; fracturing and reconstruction; reservoir engineering and numerical simulation; CO2 enhanced oil recovery; oilfield chemical engineering; big data analysis and application, etc. We invite investigators to submit original research articles and review papers for publication in this Special Issue.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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