

Special Issue

Physical, Chemical and Biological Processes in Energy Geoscience

Message from the Guest Editors

The formation, occurrence, and flow processes of natural gas in the multiscale reservoirs are becoming new hot research topics. In addition, the fluids behaviors of oil, gas, and water in porous media and the associated complex physical, chemical, and biological processes will be particularly important for geo-energy exploration and exploitation together with the carbon capture, utilization, and storage. We therefore call for submissions to be included as part of a Special Issue covering the new advances in physical, chemical, and biological processes in energy geoscience, especially for unconventional gases and geothermal energy. Novel, original research articles and reviews are all welcomed. Potential topics include but are not limited to the following: 1. Depositional and diagenetic processes of geo-energy reservoirs. 2. Formation and evolution mechanism of pores and fractures. 3. Characterization of organic and mineralogical properties of unconventional geo-energy. 4. Fluids flow behaviors in porous media under geological conditions. 5. Exploration, development, and utilization of geo-energy resources (including oil, gas, and geothermal resources).

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2023)



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Message from the Editor-in-Chief

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Editor-in-Chief

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