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Reservoir Engineering and Carbon Sequestration

Guest Editor:

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Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editor

For sustainable and environment-unharmful energy development, the reliable analyses of subsurface fluid flow are essential since most energy resources are obtained from the underground space. This special issue pursues sustainability managing different-scale data to solve complex geoscience problems related to reservoir engineering and carbon sequestration. The topic of interest is the cutting-edge computer-assisted technologies to solve geoscience problems and to optimize the complex multidisciplinary problems. Related topics include but are not limted to the following subjects:

(1) Reservoir engineering

(2) Compuational modeling

(3) Optimization

(4) Data science (deep learning, machine learning, data assimilation)

(5) CO2 geological storage

(7) Uncertainty quantification

(8) Multiphase flow associated with earth system

(9) Geothermal energy

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Editor-in-Chief

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Message from the Editor-in-Chief

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