

## Special Issue

# Emerging Advances in Petrophysics: Porous Media Characterization and Modeling of Multiphase Flow

### Message from the Guest Editors

Petrophysics, especially studies on porous media characterization and multiphase flow, are relevant to multi-disciplinary porous media research, such as hydrocarbon extraction, geosciences, environmental issues, hydrology, biology, and so on. The relevant stakeholders in this issue are the petroleum industry, subsurface water, air and water pollution authorities and service companies, environmental authorities, and bio-material society. Reliable characterization of porous media and multiphase flow functions is crucial to many simulation applications, including studies of residual water or oil in hydrocarbon reservoirs and long-term storage of supercritical CO<sub>2</sub> in geological formations. We invite investigators to submit original research articles, case studies, as well as review articles, to address the challenges that are related to porous media characterization and multiphase flow, which will stimulate continuous efforts on new and modern methods and techniques for petrophysics.

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### Guest Editors

Prof. Dr. Jianchao Cai

Dr. Shuyu Sun

Dr. Ali Habibi

Dr. Zhien Zhang

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### Deadline for manuscript submissions

closed (30 September 2018)



## Energies

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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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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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