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Multiscale Petrophysics Characterization and Multiphase Flow in Unconventional Reservoirs

Guest Editors:

Prof. Dr. Jianchao Cai

Prof. Dr. Reza Rezaee

Prof. Dr. Victor Calo

Deadline for manuscript
submissions:

closed (15 December 2021)

Message from the Guest Editors

Dear Colleagues,

Petrophysics in unconventional reservoirs, especially multiscale characterization and multiphase flow modeling, are relevant to multi-disciplinary porous media research (e.g., hydrocarbon extraction, environmental issues, hydrology). Reliable characterization at different scales, advances in theoretical modeling and numerical methods of multiphase flow are crucial for many applications, including studies of residual oil in hydrocarbon reservoirs and long-term storage of supercritical CO₂ in geological formations.

We invite investigators to submit original research articles, case studies, and review papers to address the most significant challenges in multiscale petrophysics characterization and multiphase flow in unconventional reservoirs. This Special Issue will compile descriptions and applications of modern methods and techniques to model petrophysical processes relevant to unconventional reservoirs.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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