Special Issue

Multiscale Petrophysics Characterization and Multiphase Flow in Unconventional Reservoirs

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2021)

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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.

Editor-in-Chief

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