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Multiphase Fluid Transport in Energy Recovery

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

In recent years, the recovery of unconventional geological energy has received a great deal of attention. A better understanding of multiphase fluid transport characteristics during the development of shale gas and gas hydrate reservoirs is crucial for improving the efficiency of these energy systems. Due to the complexity of the porous media in unconventional reservoirs and the strong interaction between the fluid and the surface of the porous media due to the reduced dimensionality, conventional approaches are generally not applicable to fluid flow in these porous reservoir rocks. Therefore, the accurate characterization of porous media with nanometer microstructure and clarification of multiphase fluid transport characteristics is challenging and of great importance.

We invite investigators to submit original research papers, as well as review papers, which will stimulate the continuous efforts on new and modern methods and techniques for characterization and reconstruction of porous media in unconventional reservoirs, as well as experimental and simulation studies of multiphase flow processes.

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Message from the Editor-in-Chief

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