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Modeling Multiphase Flow and Reactive Transport in Porous Media 2024

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is to include comprehensive review papers and recent experimental, theoretical, and numerical results, related to the study of complexities in describing multiphase flow dynamics and transport in porous media across a wide range of spatial and temporal scales, including uncertainty analysis and risk assessment of operations. In particular, topics of interest include but are not limited to:

- Multiphase flow in porous and fractured reservoirs;
- Geochemistry and reactive transport;
- Pore-scale processes;
- Constitutive relations:
- Enhanced oil/gas recovery;
- Upscaling flow and transport parameters;
- Coupled hydraulic, thermal, mechanical, chemical, and biological processes;
- Advanced modeling framework and methods.











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Editor-in-Chief

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Message from the Editor-in-Chief

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