

Special Issue

Advances in Reactive Flow: Coupled Flow Processes in Porous Media and Materials

Message from the Guest Editor

This Special Issue will focus on reactive flow processes where chemical interactions lead to changes in the flow properties of the fluids or in the medium where the flow occurs. Advanced flow processes that impact the distribution of reactive flow but are not coupled to the reactions will also be considered. Theoretical, experimental, and review articles are welcomed for this Special Issue. Keywords:

- wettability alteration
- permeability and porosity changes
- pipe erosion
- chemical weakening
- dynamic changes in fluid or material properties
- core and microscale experiments
- flow in blood vessels
- reaction kinetics
- estimation or measurement of coupled parameters
- biological or physical degradation

Guest Editor

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Deadline for manuscript submissions

closed (30 October 2020)



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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 32.8 days after
submission; acceptance to publication is undertaken in 6.1
days (median values for papers published in this journal in
the second half of 2024).