



Environmental Geochemistry: Precipitation and Dissolution in Porous Media

Guest Editor:

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submissions:

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Message from the Guest Editor

Mineral dissolution and precipitation in porous media are relevant processes that occur in the subsurface. A deep insight into transport-induced mineral precipitation and dissolution is a first step to further improve existing conceptual and numerical reactive transport models and to predict the fate of contaminants in the subsurface.

We welcome research and review studies on:

- Experimental or theoretical work addressing mineral precipitation and dissolution in porous media
- Reactive transport modelling addressing mineral precipitation and dissolution in porous media
- Crystallization processes in fully or partially saturated porous media
- Effects of mineral precipitation and dissolution on transport and mechanical properties of rocks in the subsurface
- Imaging techniques for monitoring dissolution and precipitation processes in porous media
- Environmental aspects, e.g., scale formation and incorporation of foreign ions, soil remediation, and weathering processes
- Engineered systems, e.g., mineral dissolution and precipitation processes at interfaces of rocks and engineered structures with different chemical properties





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Message from the Editor-in-Chief

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