Special Issue

Environmental Geochemistry: Precipitation and Dissolution in Porous Media

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

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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.

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