



Reactions and Interfaces: Understanding Mineral–Water Interaction Processes

Guest Editor:

Message from the Guest Editor

Dear Colleagues,

Deadline for manuscript
submissions:

closed (20 July 2018)

Mineral–water interactions govern many natural and industrial processes of environmental significance, from mineral crystallisation to weathering reactions, element cycling, carbon capture and storage, transport and immobilisation of pollutants, and mineral scaling. Reactions between fluids and rocks have a strong impact on Earth's geochemistry at all scales, affecting the composition of surface water and groundwater, as well as rocks, sediments, and soils.

This Special Issue aims to publish papers on recent progress in the study of mineral–water interaction processes, from a fundamental or applied perspective. We welcome contributions that highlight recent experimental results on geochemical processes at mineral–water interfaces, including:

- Ion adsorption–desorption kinetics and mechanisms
- Surface precipitation processes
- Surface-mediated reactions
- Interface structure and reactivity
- Chemical and biological controls on mineral reactivity





Editor-in-Chief

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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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