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## Advances in Processing and Characterization of Mineral Materials

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### Message from the Guest Editors

Dear Colleagues,

Functional minerals are the materials inspired by geological systems originating from the billion-years-long history of the Earth. Each of them has a unique chemical composition and a structure that determines its interesting properties and possible functions. The functions of mineral materials include adsorption, ions-exchange, catalysts, magnetism, immobilization, ceramics and micronutrient bearing mineral fertilizer. Layered clay minerals, and zeolite-like structures and layered double hydroxides (LDHs) are also particularly suited to such a defined functionalization. The modification and design principles on the thermodynamics and kinetics aspects and characterization techniques of functional mineral materials are also welcome.

This Special Issue, collecting interdisciplinary studies, will provide the current top trends in the innovative functionalization techniques for mineral materials. Reports, investigations, articles, reviews and short communications on the unique properties of functionalized materials and their expected applications are also welcome.

Thank you for your support!

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*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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