Special Issue

Application and Modification of Clay Minerals

Message from the Guest Editor

Clay minerals are a group of minerals that are ubiquitously found in soils, sediments, and rocks. Natural clay minerals are scavengers for heavy metals and organic contaminants, and catalysts for reactions such as the degradation of organic contaminants, oil and gas formation, and the condensation of amino acids. Modification and oriented synthesis broaden the applications of clay minerals and also enhance their adsorption and catalytic performances.

This Special Issue of the journal Materials, entitled "Application and Modification of Clay Minerals", focuses on recent advances in the application of modified and synthesized clay minerals in environmental, catalytic, engineering, pharmaceutical and other fields. As the of this Special Issue, I am inviting you to contribute your work on clay mineral materials to this Special Issue, whose scope includes, but is not limited to, the following topics: the modification/synthesis of clay mineral materials, and the adsorption/catalysis/characterization of clay mineral materials.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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