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Clay and Clay-Based Materials for Energy Storage Systems

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Deadline for manuscript submissions:
closed (19 December 2021)

Message from the Guest Editors

The main purpose of this Special Issue is to give an overview of the current trends in clays and clay-based materials for energy storage and energy conversion that allow the development of more efficient products. This Special Issue is devoted to recent advances including:

- Clay modification methods applied to energy store systems;
- Clay-based composites in rechargeable batteries: anodes, cathodes, and separators;
- Clays and clay-based materials in solid state electrolytes;
- Clays and clay-based materials for supercapacitors;
- Clays and clay-based materials for solar cells;
- Clays and clay-based materials for fuel cells;
- Phase change material (PCM)/clay composites for thermal energy storage.

Relevant contributions related to the design of prospective materials, the properties of original materials, and innovative characterization techniques will also be considered.

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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