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## Raw and Organically Modified Clays and Their Various Application

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Deadline for manuscript submissions:

closed (31 March 2023)

# **Message from the Guest Editors**

Dear Colleagues,

Research on clay minerals has received considerable attention because of their natural prevalence, low cost, reactivity, nonhazardous nature in handling, etc. Clay minerals have been widely investigated for their significance in various geological, industrial, environmental settings. Further, a very important part is surface modifications of clay minerals with organic surfactants, which have received attention because they allow the creation of new applications and new materials. Modified clays are used in various applications, such as adsorbents of organic pollutants in air, water, and soil; thixotropic fluids; rheological control agents; and for the preparation of clay-polymer nanocomposites. Several routes can be employed to modify clays and clay minerals, such as adsorption, ion exchange with organic cations, grafting of organic compounds, binding of inorganic and organic anions, pillaring by different types of poly(hydroxo metal) cations, and reaction with acids. This Special Issue aims to help to uncover new advances in unmodified and modified clays and their use in various fields.

Dr. Michal Slaný Dr. Itamar Shabtai *Guest Editors* 











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### **Editor-in-Chief**

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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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