Special Issue

Clay Minerals in Material Sciences

Message from the Guest Editors

Clay minerals are an extremely important group of minerals. Clay minerals such as kaolinite, smectite, chlorite, and micas are main components of raw materials of clay and are formed in the presence of water. A large number of clays are used to form the different structures, and this completely depends on their mining source. Due to the specific properties such as plasticity, viscosity, cation-exchange capacity, specific surface area, hydration, adsorption/absorption, and mechanical, thermal and catalytic properties, clay minerals are used in many industries. Agro-food industry, health and wellness, pharmacy, chemistry, environment, refractory technology, ceramics and construction materials, etc. are the fields in which clay minerals have found practical application. The objective of this Special Issue is to consider the various aspects involved in the characterization of clay materials and their behaviour in natural and industrial processes, with an aim to better understand the control processes and variables determining their behaviour, transformations/resiliencies and practical applications.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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