Special Issue

Layered Crystal Materials: Design, Synthesis and Characterisation

Message from the Guest Editor

Today, chemistry and physics of layered materials constitute an important and rapidly developing area of solid-state and materials science. Of particular interest is the pronounced anisotropy of many physical and even chemical properties which have permitted scientists to achieve outstanding results. The materials obtained by analogy to minerals are widely used in a variety of industrial processes. Various methods of rational design and targeted synthesis of layered materials have been and are being developed. Nonetheless, there are still many unsolved problems to address in chemistry and physics of natural and synthetic layered materials. This Special Issue welcomes contributions on all respects of layered minerals and synthetic compounds. Suggested publications are expected to cover various issues concerning this fascinating group of materials and provide new data on mineralogy, geochemistry (including biogeochemistry), physics, and inorganic chemistry of layered minerals and materials.

Guest Editor

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