Special Issue

Advanced Clay-Polymer Nanocomposites Materials: Synthesis, Properties, and Applications

Message from the Guest Editor

Clay–polymer nanocomposites (CPNs) make up an important group of materials that are currently receiving significant attention. The introduction of mineral nanofiller into the polymer matrix changes the properties of the polymeric material and opens up new possibilities for the use of such nanocomposites. The study of the synthesis of new CPNs with an examination of their properties is vital because it facilitates a deeper understanding of their applicability. This Special Issue will focus on the most recent advances in CPNs, from the synthesis of polymer nanocomposites and their characterization to the potential application of these materials. Therefore, this Special Issue intends to present new ideas and experimental results in the field of clay–polymer nanocomposites in the context of comparing the properties of different types of clay mineral nanofillers (organo-modified and unmodified clay minerals, as well as different types of clay minerals) introduced into the polymer matrix. In this Special Issue of *Applied Science*, I would like to invite authors to submit original papers and reviews on clay–polymer nanocomposites.

Guest Editor

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Message from the Editor-in-Chief

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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