



Organo-Clays: Preparation, Characterization and Applications

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Message from the Guest Editors

Dear Colleagues,

An enormous number of organo-clay complexes have been and are being studied. This is because clays are made up of very small elementary particles which have an anisometric morphology, chemically interesting surfaces and generally have the ability to exchange cations or anions, allowing for the intercalation or incorporation of organic substances. The most studied types of clays have been kaolin, halloysite, other tubular clays, bentonite and anionic clays like lamellar double hydroxides. This Special Issue will focus on the preparation, characterization and application of organo-clays that include both the consolidated applications of organo-clays, such as organophilic clays in the drilling of oil wells, in the paint industry and in cosmetics and toiletries, as well as in more modern applications such as the incorporation of organic substances in water treatment, controlled drug release, fertilizers, herbicides, etc., nanofillers in polymers' nanocomposites, and also the emerging study of organo-synthetic clays.





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Message from the Editor-in-Chief

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