Special Issue

Organo-Clays: Preparation, Characterization and Applications

Message from the Guest Editors

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.

Guest Editors

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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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