Special Issue

Recent Research Advance in the Halloysite Nanotubes Field

Message from the Guest Editors

Halloysite (HNT) is a promising natural nanosized tubular clay mineral that has many important uses in different industrial fields. The surface chemistry of HNTs is versatile for the targeted chemical modification of the inner lumen and outer surface and opens up several strategies to obtain novel nanomaterials of potential practical interest. This Special Issue is focused on current research on halloysite-based nanomaterial from the state-of-the-art to the most recent advancements, with a special focus on the design of modified halloysite hybrids and their applications in biomedical, bioremediation, food packaging, and polymeric fields. Original contributions addressing the synthesis and characterization of HNT hybrids and related mechanisms involved in adsorption and release of active molecules, and/or metal nanoparticles as well as practical biological, industrial, or environmental applications, in the form of full papers or communications, are welcome. Mini-reviews presenting an overview of the state-of-the-art with projections on future perspectives and trends in this domain will also be considered.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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