Special Issue

Application of Magnetic Nanomaterials in Water Pollution Treatment

Message from the Guest Editors

In water treatment materials, the residue phenomenon is a major constraint in the implementation of water remediation processes for urban sewage treatment, as uncontrolled suspension prolongs the settle time and increases operational costs. Conventional water treatment materials that have been functionalized with magnetochemistry have been proven to improve water treatment efficiency because of the shortened setting time and easy recovery of used/exhausted materials. However, the theoretical framework mainly focuses on evaluating the efficiencies of magnetic materials in water treatment as well as the roles of magnetochemistry in whole treatment processes, mechanisms that have still not been explored in great detail. This Special Issue of the open access journal *Magnetochemistry* aims to expose frontier research articles that have an impact on the application of magnetic nanomaterials in the field of water pollution treatment. Researchers are invited to submit original research articles on topics such as magnetic catalysts, coagulat/flocculat(s), absorbents, etc.

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About the Journal

Message from the Editor-in-Chief

Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties. *Magnetochemistry* is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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