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.

Guest Editors

Dr. Wei Ding

College of Environment and Ecology, Chongqing University, Chongqing 400044, China

Prof. Dr. Huaili Zheng

College of Environment and Ecology, Chongqing University, Chongqing 400044, China

Deadline for manuscript submissions

closed (20 February 2023)

Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 3.9

mdpi.com/si/113919

Magnetochemistry
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
magnetochemistry@mdpi.com

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Editor-in-Chief

Prof. Dr. Carlos J. Gómez García
Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjasot, Valencia, Spain

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