Special Issue

Magnetic Nanospecies: Synthesis, Properties, Physical and Biomedical Applications

Message from the Guest Editor

Magnetic nanospecies have been used for various applications, including diagnosis, contrast agents and molecular probes, magnetic resonance imaging, structural biology, drug and gene delivery, and therapeutic applications. Studying magnetic nanospecies' structural features and coating procedures and stability opens up excellent prospects for multifunctional and bioinspired material and devices.

This Special Issue is focused on the most recent advances in the synthesis, characterization, properties, and various applications of magnetic nanospecies. We invite original contributions and review articles focusing on the synthesis and optimization of magnetic nanoparticle properties, surface coating for enhanced stability or other properties, studies on biocompatibility and toxicity, and applications in various areas such as diagnostics, imaging, drug–gene delivery, and therapy.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2023)

Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/95504

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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.

Editor-in-Chief

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