Special Issue

Biomedical Application of Magnetic Nanoparticles in 2022

Message from the Guest Editors

This Special Issue aims to cover new advances in the biomedical application of magnetic nanoparticles, with particular focus on (a) synthesis and optimization of magnetic nanoparticle properties, such as composition, surface charge, shape, size, and size distribution, for biomedical applications; (b) applications of magnetic nanoparticles in anticancer therapy, tissue engineering, and diagnostics; (c) studies on the biocompatibility and toxicity of magnetic nanoparticles; (d) new approaches for synthesis of magnetic nanoparticles to achieve specific and precise performance; e) strategies for using magnetic nanoparticles in lab-on-a-chip technology.
Keywords:

- magnetic nanoparticles
- theranostics
- magnetic resonance imaging
- tissue engineering
- lab-on-a-chip technology
- biocompatibility
- toxicity

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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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