

Special Issue

Magnetic Nanohybrids for Advanced Applications

Message from the Guest Editors

Over the last decade, considerable efforts have been undertaken by many research groups to develop novel nanohybrids with excellent properties, raising interest regarding their applications in a wide range of different areas in biomedicine, catalysis, rare-Earth-free permanent magnets, multiferroic materials, materials for additive manufacturing (3D printing), etc. In this context, this Special Issue covers all research areas related to the synthesis of magnetic nanohybrids and the investigation of their properties and applications. Thus, this Special Issue aims to collect research articles and reviews regarding, but not limited to, the following topics:

- Synthesis of magnetic nanohybrids;
- Preparation of magnetoactive polymer nanocomposites;
- Magnetic nanocomposites consisting of several inorganic components;
- Functionalized magnetic nanoparticles;
- Biomedical applications of magnetic nanoparticles and nanocomposites;
- Characterization of magnetic nanoparticles and nanocomposites;
- Magnetic materials for additive manufacturing.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2023)



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About the Journal

Message from the Editor-in-Chief

Magnetochimistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties.

Magnetochimistry 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

Prof. Dr. Carlos J. Gómez García

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).