

Special Issue

Advances and Future Perspectives in Rare-Earth Permanent Magnets and Soft Magnetic Materials

Message from the Guest Editors

This Special Issue aims to provide a platform for the dissemination of recent advances and emerging trends in rare-earth permanent magnets and soft magnetic materials. The scope covers Nd-Fe-B, Sm-Co and other rare-earth permanent magnets, as well as soft magnetic materials such as Fe-Si alloys, Fe-Co alloys, ferrites and amorphous alloys. Topics of interest include materials design and processing, microstructure-property relationships, grain boundary and interface engineering, rare-earth resource efficiency, recycling and sustainable manufacturing, advanced characterization methods, computational modeling and data-driven materials discovery. Contributions addressing magnetic materials for electrification, renewable energy systems and next-generation industrial applications are particularly encouraged.

Guest Editors

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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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