

Special Issue

Nuclear Magnetic Resonance Applied to Paramagnetic Molecules

Message from the Guest Editor

Paramagnetic substances, rendered so by metal centers or chemical radicals, are found in natural materials ranging from biological molecules to soil and rock samples. In some cases, the presence of paramagnetic metal centers or radicals is important, enabling the material to perform a specific important task. In other cases, the extraction of paramagnetic impurities from the material of interest is very challenging, if not impossible. When paramagnetic molecules are studied via NMR, their spectra exhibit features (chemical shift and line width of the NMR signals) that differ dramatically from those generated by the diamagnetic version of the molecule. In recent decades, significant effort has been dedicated to collecting and analyzing the NMR spectra of paramagnetic molecules. This Special Issue aims to collect papers describing research work that either interpret the NMR spectra of paramagnetic molecules or describe strategies and/or new methodologies that facilitate the analysis and collection of paramagnetic NMR data.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2025)



Magnetochemistry

an Open Access Journal
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Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/195948

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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

Prof. Dr. Carlos J. Gómez García

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