Special Issue

Sustainable but Affordable NMR Spectroscopy and MRI Technological Solutions

Message from the Guest Editors

In this Special Issue, we invite colleagues to submit original research and review articles that will fit one of the following categories:

- Sustainable NMR and MRI technological solutions that could make this technology more environmentally friendly with a reduced carbon footprint. This could, for instance, cover advances in energy-efficient magnets, coils, gradients, amplifiers, etc.
- Advances in disease-specific (e.g., neuro, cardiac, cancer) or anatomical body region NMR and MR technology that could make it more accessible to wider population both in low- and high-income economies.
- Any lessons that could be learned from other sectors or disciplines that could make the design, manufacture, installation and use of MR systems greener and sustainable.
- Ideas or suggested solutions on how to bring NMRbased (pre)-clinical research closer to academics in developing economies.

Keywords

- NMR spectroscopy, MRI
- sustainable, reduced carbon footprint
- health inequality, global health
- imaging poverty, greener technologies

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Deadline for manuscript submissions

closed (15 August 2023)



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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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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).

