

## Special Issue

# New Trends in Two-Dimensional Magnetic Materials

### Message from the Guest Editors

In this Special Issue of *Magnetochemistry*, we call for highlights of the recent achievements and research reports in the fields of spintronic devices, synthesis, and characterization of quantum materials (e.g., graphene, semiconducting magnetic materials, two-dimensional material) and their heterostructures, molecular devices, spintronics, spin caloritronics, and quantum and neuromorphic computing. The published papers include research papers, communications, and perspectives/progress report review articles.

- spintronics
- magnetic semiconductors
- magnetoresistance
- two-dimensional material
- density functional theory
- spin orbit coupling
- magnetic heterostructures
- half-metal property
- spin filter effect
- photoelectric response
- spin Seebeck effect
- negative differential resistance

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 April 2023)



## Magnetochemistry

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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.

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### Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).