

## Special Issue

# Application of Magnetic Hyperthermia in Cancer Therapy

### Message from the Guest Editor

This Special Issue will highlight cutting-edge scientific advances and innovative theories in the development and application of magnetic hyperthermia. It will cover fundamental principles, material innovations, and the integration of magnetic hyperthermia with other therapeutic strategies. We aim to explore the unique characteristics of new magnetic materials and their applications in hyperthermia treatments. We are particularly interested in and invite colleagues to submit original research articles that will fit, but are not limited to, one of the topics listed below:

- Research and development of novel magnetic nanomaterials for hyperthermia;
- Numerical simulation and calculation of magnetic domain structures;
- Principle and mechanism of magnetothermal conversion;
- Combination therapies of magnetic hyperthermia with other cancer treatments;
- Simulation and optimization of temperature field in hyperthermia;
- Regulatory and safety considerations in clinical applications.

Short communications, reviews, and original research articles are encouraged. We look forward to your valuable contributions to this Special Issue.

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### Guest Editor

Prof. Dr. Wei Zhang

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### Deadline for manuscript submissions

closed (25 July 2025)



## 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

Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjassot, Spain

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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).