

## Special Issue

# Magnetic Micro- and Nanostructures for Applications: From Synthesis to Modeling

### Message from the Guest Editors

Dear Colleague, This Special Issue aims to cover all significant aspects of chemically and physically produced magnetic micro- and nanostructures from synthesis to characterization as well as modeling and techniques aspiring to address challenges and bottleneck problems for technological and life science applications. In this Special Issue, we welcome original research and reviews on current frontier research and trends covering applications, fundamental, experimental, and theoretical research, with a focus on the fabrication, design, characterization, and modeling of magnetic materials and nanostructures, as well as novel developments and solutions of advanced nanomaterials, devices, and perspectives with a magnetochemical overview. Keywords:

- fabrication
- characterization
- modelling
- magnetic materials
- nanostructures
- microstructures
- nanomagnetism
- nanodevices

---

### Guest Editors

Dr. Jose A. Fernandez-Roldán

Department of Physics, University of Oviedo, 33007 Oviedo, Spain

Dr. Victor M. de la Prida Pidal

Physics Department, Faculty of Sciences, University of Oviedo, E-33007 Oviedo, Spain

---

### Deadline for manuscript submissions

closed (31 October 2022)



## Magnetoechemistry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/113349](https://mdpi.com/si/113349)

*Magnetoechemistry*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[magnetoechemistry@mdpi.com](mailto:magnetoechemistry@mdpi.com)

[mdpi.com/journal/  
magnetoechemistry](https://mdpi.com/journal/magnetoechemistry)





# Magnetochemistry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/journal/  
magnetochemistry](https://mdpi.com/journal/magnetochemistry)



## About the Journal

### Message from the Editor-in-Chief

---

#### 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

---

#### Author Benefits

##### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, CAPus / SciFinder, and other databases.

##### Journal Rank:

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore - Q2 (Electronic, Optical and Magnetic Materials)

##### Rapid Publication:

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).