

## Special Issue

# Microstructure and Magnetic Properties of Ferromagnetic Nanomaterials

### Message from the Guest Editors

Magnetic nanomaterials have received plenty of attention because of their excellent suitability for a great variety of technological applications. The magnetic properties of nanoparticles (NPs) are often dominated by their size and shape, but also by the matrix and the agglomeration state; hence, it is important to possess the capability of controlling the size and morphology during the synthesis process. This Special Issue aims to provide a forum of exchange for researchers working in the field of magnetic nanostructured materials.

Particular interest will be devoted to the relationship between the microstructure and magnetic properties of ferromagnetic nanomaterials. Topics to be covered include but are not limited to:

- Iron-based magnetic nanomaterials;
- Mössbauer spectroscopy in magnetic nanomaterials;
- Magnetic characterization of binary and ternary magnetic nanomaterials;
- Structural and morphological characterization of magnetic nanomaterials;

---

### Guest Editors

Dr. Abderrahim Guittoum

Division of Physics, Nuclear Research Centre of Algiers, Algiers, Algeria

Prof. Dr. Pedro Gorria

Department of Physics & IUTA, University of Oviedo, E-33203 Gijón, Spain

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Magnetochemistry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 3.9



[mdpi.com/si/78009](https://mdpi.com/si/78009)

*Magnetochemistry*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[magnetochemistry@mdpi.com](mailto:magnetochemistry@mdpi.com)

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





## Magnetochemistry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 3.9



[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, Valencia, Spain

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore -  
Q2 (Chemistry (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 18.7 days after  
submission; acceptance to publication is undertaken in 2.8  
days (median values for papers published in this journal in  
the first half of 2024).