# Special Issue

# Research in Magnetoresistance of Magnetic Materials

## Message from the Guest Editors

This Special Issue focuses on the recent great achievements in anisotropic magnetoresistance (AMR), giant magnetoresistance (GMR), tunneling magnetoresistance (TMR), and colossal magnetoresistance (CMR) in the metallic magnetic thin films and heterostructures, and on promising two-dimensional magnets. At the same time, we also welcome authors in the fields of new low-dimensional magnetism, topological magnetic states, antiferromagnetic spintronics and novel spintronic devices to submit papers. We cordially invite colleagues to submit original research articles or reviews that will fit in one of the topics listed below:

- Anisotropic magnetoresistance (AMR);
- Giant magnetoresistance (GMR);
- Tunneling magnetoresistance (TMR);
- Colossal magnetoresistance (CMR);
- Magnetic thin films and devices;
- 2D magnetism;
- Antiferro-magnetic spintronics;
- Magnetic tunnel junction;
- Hall effect; topological magnetism;
- Multiferroic thin film and devices;
- Novel electronic states in the magnetic materials;
- XMCD and XAS characterizations;
- Magnetic simulations and theory.

### **Guest Editors**

Dr. Yuanjun Yang

School of Physics, Hefei University of Technology, Hefei, China

Dr. Kang Wang

High Magnetic Field Laboratory, Chinese Academy of Sciences, Hefei, China

### Deadline for manuscript submissions

closed (29 February 2024)



# Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 4.6



mdpi.com/si/168069

Magnetochemistry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
magnetochemistry@mdpi.com

mdpi.com/journal/magnetochemistry





# Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 4.6



# **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

Prof. Dr. Carlos J. Gómez García

Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjasot, 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 (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).

