

## Special Issue

# Magnetic Fluids, Droplets and Magnetic Composites: Formation, Investigations and Advanced Applications

### Message from the Guest Editor

I invite your recent, novel, and interesting findings for publication in the Magnetochemistry Journal's Special Issue. Topics to be covered include but are not limited to: Experiments, modeling, and simulations of chemical and physical properties of magnetic fluid development (design, synthesis), stability, property enhancements, and the effect of surfactants, viscosity, and magnetic properties of particles on the same; Effect of uniform or non-uniform magnetic fields on magnetic fluids, droplets, or magnetic composites; Development and advanced applications of magnetic composites, magnetic Janus structures, and Janus particles. Keywords: magnetic fluids magnetic droplets magnetic composites Janus particles

### Guest Editor

Dr. Vijaykumar B. Varma

School of Materials Science and Engineering, Nanyang Technological University, Singapore 639798, Singapore

### Deadline for manuscript submissions

closed (15 December 2021)



**Magnetochemistry**

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/81019](https://mdpi.com/si/81019)

*Magnetochemistry*  
Editorial Office  
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 2.5  
CiteScore 4.6



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



## 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 Burjassot, Spain

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, CAPIus / 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 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).