# Special Issue

# Electromagnetic Interference Shielding and Microwave Absorption Materials

## Message from the Guest Editors

The rapid advancement of electronic devices and communication technologies has led to an increased demand for effective electromagnetic shielding and absorbing materials. Magnetic materials, including ferrites, nanocomposites, and metal-organic frameworks, possess unique properties that can be harnessed for superior shielding and absorption performance. This Special Issue aims to explore the latest innovations in magnetic materials/magnetic structures designed for electromagnetic interference shielding and microwave absorption. This issue will cover a range of topics, including the synthesis and characterization of new magnetic materials, the design and optimization of material structures, and the exploration of their mechanisms in EMI. Scholars are invited to contribute original research articles, reviews, and technical notes that align with these themes.

### **Guest Editors**

Dr. Peijiang Liu

Dr. Zibao Jiao

Dr. Yiming Lei

### Deadline for manuscript submissions

closed (30 October 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.

#### Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

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