

## Special Issue

# Advances in Magnetotelluric Analysis

### Message from the Guest Editors

The magnetotelluric (MT) analysis method is now an important tool for imaging complex systems. Over recent years, many and different MT studies for several and diverse problems have been reported. However, studying EM fields behavior in the context of a realistic systems is a nontrivial task from a numerical modeling perspective. The presence of high conductivity contrasts, large-scale variations, and complex geometries arises as main challenges. Fortunately, although numerically challenging, the MT imaging of realistic setups is feasible given the numerical and computational advancements that have been achieved in the MT modeling community in recent decades. In this issue, we aim to focus on the aforementioned problems, specially targeting those with high potential for industrial applications.

### Guest Editors

Prof. Dr. Octavio Castillo-Reyes

1. Department of Computer Architecture, Universitat Politècnica de Catalunya, 08034 Barcelona, Spain
2. Barcelona Supercomputing Center (BSC), 08034 Barcelona, Spain

Dr. Guang Li

School of Geophysics and Measurement-control Technology, East China University of Technology, Nanchang 330013, China

### Deadline for manuscript submissions

closed (20 June 2023)



## Magnetochemistry

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/127375](https://mdpi.com/si/127375)

*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

---

#### 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, 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).