

## Special Issue

# The Status and Future of Bioelectromagnetism

### Message from the Guest Editor

In the last several decades, the biological effects of electromagnetic fields have been demonstrated. However, the biophysical mechanism of the interaction between electromagnetic fields and biological systems is still not understood. In fact, there is controversy between the electric and magnetic effects. The defining feature of bioelectromagnetism is that electric and magnetic effects are nonthermal; their interactions are below kBT levels. The goal of this Special Issue is to bridge the knowledge gap between biophysical mechanisms and biological effects from the molecular level to the level of the organism. The present Special Issue “The Status and Future of Bioelectromagnetism” aims to collect and publish recent advances in the area of bioelectromagnetism. We welcome all reviews and research articles concerned with interactions of electromagnetic fields in biological systems at the molecular level and large scales. This also includes the disruptive impact of emerging areas of electromagnetic therapeutics for cancer treatment. The keywords below summarize topics of special interest to this Issue.

---

### Guest Editor

Dr. Carlos F. Martino

Sr. Professional Staff II, Johns Hopkins University Applied Physics Laboratory, Laurel, MD, USA

---

### Deadline for manuscript submissions

closed (31 July 2021)



## Magnetoechemistry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/66300](https://mdpi.com/si/66300)

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

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





## 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).