

## Special Issue

# Bio-Magnetic Field Sensors Operated at Room Temperature

### Message from the Guest Editors

The Special Issue addresses original studies related to such bio-magnetic field sensors operated at room temperature and the bio-magnetic field measurements obtained while using them. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Optical pumped magnetometers: device development, measurement technique, and bio-magnetic applications (MEG, MCG, MRI, etc.);
- Spintronic sensors (TMR, GMR, AMR, SMR, and AHE): device development, measurement technique, and bio-magnetic applications;
- Magnetic impedance sensors: device development, electric circuit development, measurement technique, and bio-magnetic applications;
- Diamond NV sensors: material and device development, measurement technique, and bio-magnetic applications.

We look forward to receiving your contributions.

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### Guest Editors

Prof. Dr. Mikihiro Oogane

Department of Applied Physics, Graduate School of Engineering, Tohoku University, 6-6-05 Aoba-yama, Aoba-ku, Sendai 980-8579, Japan

Dr. Takahide Kubota

Department of Advanced Spintronics Medical Engineering, Graduate School of Engineering, Tohoku University, Sendai 980-0845, Japan

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### Deadline for manuscript submissions

31 May 2026



## Magnetism

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

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## About the Journal

### Message from the Editor-in-Chief

New phenomena and technological applications of magnetism are fascinating topics. The *Magnetism* journal aims to establish an international forum where both basic and applied developments in this field can be shared, on a budget-level peer-review publishing platform with other experts and non-specialists. The journal is inviting contributions from authors who wish to share their original work in any field related within this area, including fundamental mechanisms, theoretical models, novel magnetic materials and devices, magnetic nanostructures, magnetic recording, biomagnetism, etc. The journal will facilitate the author's process of submission and the peerreview steps for a high-quality and timely publication in order to reach the widest audience.

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### Editor-in-Chief

Dr. Gerardo F. Goya

Instituto de Nanociencia de Aragon (INA), University of Zaragoza, 50018 Zaragoza, Spain

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