

## Special Issue

# Magnetic Field Sensing and Measurement Techniques

### Message from the Guest Editors

This Special Issue focuses on magnetic sensors and their technical applications, with the aim of presenting the latest research findings and advancements in magnetic sensor technology and measurement techniques. Novel approaches to the design and fabrication of the sensors, including micro- and nano-sensors, and exploration of their potential applications in industries and medicine as well as magnetic diagnostics in harsh environments such as free-electron lasers, electromagnetic launchers, or high-field pulsed magnets, are welcome. Additionally, this issue is dedicated to advanced testing and calibration methods of the sensors and adjusting their design and parameters to meet user needs. Therefore, we invite the international community from academia and industry to submit articles, which include, but are not limited, to: New materials for magnetic field sensors; New applications of magnetic sensors; Circuits and operating methodologies of the sensors; Design, fabrication, testing and calibration of sensors; Magnetic field measurement techniques, including measurement in harsh environments; Integrated magnetic sensors; Simulation.

---

### Guest Editors

Prof. Dr. Nerija Žurauskienė

Department of Functional Materials and Electronics, Center for Physical Sciences and Technology, Sauletekio Ave. 3, 10257 Vilnius, Lithuania

Prof. Dr. Voitech Stankevič

Department of Functional Materials and Electronics, Center for Physical Sciences and Technology, Sauletekio Ave. 3, 10257 Vilnius, Lithuania

---

### Deadline for manuscript submissions

31 December 2024



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/si/178437](https://mdpi.com/si/178437)

*Sensors*

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

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





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

---

### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)