

Special Issue

Smart Magnetic Sensors and Application

Message from the Guest Editors

This Special Issue of *Sensors* (MDPI) focuses on the burgeoning field of smart magnetic sensors and their many applications. This Special Issue, “Smart Magnetic Sensors and Application”, is particularly important for future research. It aims to discuss current issues related to emerging magnetic sensors and devices and their prospective applications in different fields, such as the following:

- Novel magnetic sensing methods and technologies;
- Different magnetic sensors, including Hall effect devices, magnetometers, magnetoimpedance sensors, magnetoresistance sensors, and magnetoelastic sensors;
- Flexible and wearable magnetic sensors;
- Autonomous and embedded printable magnetic sensors
- Biomagnetic sensing and applications, and their integration in MEMS, and microfluidic systems;
- Magnetic sensor interconnections/interfaces and their testing.

Guest Editors

Dr. Proloy Taran Das

Dr. Susana Cardoso De Freitas

Dr. Huali Yang

Deadline for manuscript submissions

15 January 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/220692

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)