

Special Issue

Spintronic and Magnetic Platforms for Biosensing

Message from the Guest Editor

In recent years, magnetic platforms have gained interest as a promising reference technology in the field of biosensing, due to their high sensitivity and integrability. The use of magnetic labels for both the manipulation and detection of biological entities—such as biomolecules, pathogens, and cells—is one of the key advantages of magnetic techniques. One of the most utilized magnetic biosensing approaches is based on the use of external magnetic fields to magnetize paramagnetic or superparamagnetic particles and crystals labelling the recognition event between complementary biomolecules on the surface of a magnetic field sensor. This Special Issue will cover a wide range of topics, including the design, fabrication and characterization of magnetic sensing platforms, physical working principles, modeling and simulation, and new biological applications. For further information about the topics of interest, please visit: https://www.mdpi.com/journal/sensors/special_issues/smpb

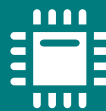
Guest Editor

Dr. Daniela Petti

Politecnico di Milano, via Giuseppe Colombo, 81 20133 Milano, Italy

Deadline for manuscript submissions

closed (30 June 2020)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/si/25550](https://www.mdpi.com/si/25550)

Sensors

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

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