

Special Issue

Micro- and Nanostructures for Sensing Applications

Message from the Guest Editor

Over the past few years, micro- and nanosensors have been the focus of significant research interest from scientists in academia and industry alike. Functional micro-/nanomaterials play an important role in the development of new platforms with new properties or enhanced existing properties. The Special Issue focuses on the design, fabrication, and applications for micro- and nanostructured sensors. Selected topics include but are not limited to the following:

- Novel micro-/nano-architecture for sensing;
- Nanomaterials (nanowires, nanodots, 2D materials, hierarchical materials) and devices;
- Micro and nano-defects in materials (semiconductors, metal, and insulators);
- Surfaces and interfaces of thin films;
- Multidetector platform;
- Smart nanomaterial for sensing, including hybrid materials;
- New approaches for sensing, including molecularly imprinted polymer sensors;
- Deep learning for conflicting properties and optimized sensor performance.

Link: <https://www.mdpi.com/si/58088>

Guest Editor

Dr. Abdelhafed Taleb

Institut de Recherche de Chimie Paris, Chimie ParisTech, PSL
University—CNRS, 75005 Paris, France

Deadline for manuscript submissions

closed (15 April 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/si/58088](https://www.mdpi.com/si/58088)

Sensors
Editorial Office
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 3.5
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)