

## Special Issue

# Surface Plasmonic Sensors and Related Technologies

### Message from the Guest Editor

This Special Issue will welcome contributions reporting new knowledge and/or breakthrough innovations in the development of surface plasmonic sensors, addressing radical new design concepts that can be supported by theory, and new fabrication pathways to produce these materials. Topics covered are:

- Theory of localized surface plasmons, and polaritons;
- Synthesis and fabrication of plasmonic nanoparticles and nanostructures;
- Surface plasmon resonance (SPR) versus localized SPR (LSPR) technologies;
- Surface plasmonic biosensors;
- Plasmomechanic sensors;
- High-sensitivity plasmonic temperature sensors;
- Ultrasensitive chemical sensing, including surface-enhanced Raman spectroscopy (SERS);
- Plasmon-enhanced optical sensors.

For more details, please visit [here](#).

---

### Guest Editor

Dr. Joel Borges

1. Physics Center of Minho and Porto Universities (CF-UM-UP), Campus de Azurém, University of Minho, 4800-058 Guimarães, Portugal
2. LaPMET—Laboratory of Physics for Materials and Emergent Technologies, University of Minho, Campus de Gualtar, 4710-057 Braga, Portugal

---

### Deadline for manuscript submissions

closed (25 January 2024)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/154005](https://mdpi.com/si/154005)

*Sensors*  
Editorial Office  
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 3.5  
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)