



*sensors*



an Open Access Journal by MDPI

## Micro and Nanosensors for Biomedical

Guest Editor:

**Dr. Daniel Ramos**

Instituto de Micro y  
Nanotecnología (IMN-CSIC). 8,  
Isaac Newton (PTM), Tres Cantos,  
28760 Madrid, Spain

Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editor

Dear Colleagues,

The development of biosensors with high sensitivity and high selectivity remains of paramount importance in diverse fields such as molecular biology, healthcare and food technology. Multidisciplinary research on nanotechnology has provided ultrasensitive nanobiosensors with a higher degree of miniaturization. In this sense, self-assembled monolayers (SAMs) are relevant biorecognition layers for molecular identification. However, it has been necessary to wait for the advent of nanotechnology tools, which have allowed the exploration of in-situ biologically relevant systems for shedding light on the nature of intermolecular interactions.

This Special Issue aims to gather the community and highlight the relevance of micro and nanodevices in the sensing field. We invite manuscripts for this forthcoming Special Issue on all aspects pertinent to nanosensors for biomedical applications, such as development, testing, and modeling of any kind of micro and nanosensors, advances in fabrication, etc.

For more information, please click: [mdpi.com/si/53796](https://mdpi.com/si/53796).

Dr. Daniel Ramos

*Guest Editor*



[mdpi.com/si/53796](https://mdpi.com/si/53796)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 Bari, Italy

## 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.

## 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)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)