

## Special Issue

# Label-Free Sensor/Biosensors for Biomedical and Environmental Monitoring

### Message from the Guest Editors

The development of low cost and disposable sensors for biomedical and environmental monitoring is attracting the scientific as well as commercial world. Early diagnosis of diseases, detection of toxins in food, feed and water are important aspects of present-day healthcare systems. Sensitive and selective detection of biomarker proteins, virus antigens, disease-specific antibodies, nucleic acids, clinically relevant low molecular weight analytes, endocrine disruptases, volatile organic compounds (VOCs) and other environmental pollutants is of great significance in the smart sensing technology of the point-of-care era. The present Special Issue focuses on label-free sensor/biosensor devices/platforms for highly sensitivity physico-chemical transducers, which are feasible for miniaturization with special reference to biomedical and environmental applications.

### Guest Editors

Dr. Laura Micheli

Department of Chemical Science and Technologies, University of Rome Tor Vergata, 00133 Rome, Italy

Prof. Dr. Sunita Kumbhat

NanoBiosensor Laboratory, Faculty of Science, Jai Narain Vyas University, Jodhpur, India

### Deadline for manuscript submissions

closed (10 July 2022)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/20823](https://mdpi.com/si/20823)

*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)