

## Special Issue

# Chemical Sensors—Recent Advances and Future Challenges 2025

### Message from the Guest Editor

We are pleased to announce that the Chemical Sensors Section is now compiling a collection of papers submitted by the Editorial Board Members (EBMs) of our section and by outstanding scholars in this research field. We welcome contributions as well as recommendations from EBMs. The scope of this Special Issue includes, but is not limited to, the following topics: new developments and recent improvements in the design, synthesis, and performance evaluation of materials for sensitive layers and transducers; the study of their sensing mechanisms; the evaluation, processing approaches, and applications of chemical sensors; the driving electronics, data processing, and chemical sensor array chemometrics; DNA chips; lab-on-a-chip technology; microfluidic devices; nanobiosensors and nanotechnology used in biosensors.

---

### Guest Editor

Prof. Dr. Eduard Llobet  
MINOS-EMaS, Universitat Rovira i Virgili, 43007 Tarragona, Spain

---

### Deadline for manuscript submissions

31 December 2025



## Sensors

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.5**  
**CiteScore 8.2**  
**Indexed in PubMed**



[mdpi.com/si/227924](https://mdpi.com/si/227924)

*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)