

Special Issue

Advances in Optoelectronic Sensors

Message from the Guest Editor

This Special Issue aims to showcase cutting-edge research and technological innovations in optoelectronic sensors. We welcome contributions exploring novel materials, innovative device structures, and emerging applications. Topics of interest include, but are not limited to:

- Wide bandgap semiconductor-based sensors
- Low-dimensional materials for sensing applications
- Plasmonic and metamaterial-enhanced sensors
- Flexible and wearable optoelectronic devices
- Integration of artificial intelligence with optoelectronic sensing
- Novel fabrication techniques for sensor development
- Advances in photodetector technologies
- Multifunctional and multimodal sensing platforms

We invite original research articles, comprehensive reviews, and short communications that address these exciting developments in the field of optoelectronic sensors. This Special Issue seeks to provide a platform for researchers to share their latest findings and foster collaborations in this rapidly evolving area.

Guest Editor

Prof. Dr. Dayong Jiang

Engineering Research Center of Optoelectronic Functional Materials, Ministry of Education, School of Materials Science and Engineering, Changchun University of Science and Technology, Changchun 130022, China

Deadline for manuscript submissions

31 March 2025



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/216851

Sensors
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)