

## Special Issue

# Recent Advances in Optical Fiber Sensors

### Message from the Guest Editors

This Special Issue is dedicated to presenting new optical fiber sensors for the measurement of physical and chemical quantities. Contributions on both single sensors and distributed sensing techniques are welcome. New interrogation techniques for handling large arrays of sensors as well as innovative calibration and processing techniques that overcome sensitivity limits, perhaps derived from optical communications, are among the subjects of interest.

- optical fiber sensors
- sensor arrays
- biomedical sensors
- physical sensors
- optical fiber metrology
- distributed optical fiber sensing
- industrial applications of sensors
- detection of chemicals through optical techniques

---

### Guest Editors

Dr. Massimo Olivero

PhotonLab, Department of Electronics & Telecommunications,  
Politecnico di Torino, 10129 Torino, Italy

Dr. Daniele Tosi

1. School of Engineering and Digital Sciences, Nazarbayev University,  
010000 Nur-Sultan, Kazakhstan  
2. National Laboratory Astana, Laboratory of Biosensors and  
Bioinstruments, 010000 Nur-Sultan, Kazakhstan

---

### Deadline for manuscript submissions

closed (28 February 2023)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/46610](https://mdpi.com/si/46610)

*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)