

## Special Issue

# Fiber Optic Sensors and Applications

### Message from the Guest Editors

Contributions on applications of novel or existing fiber optic sensors are also welcome, especially those highlighting the opportunities offered by the unique features in optical fibers or the advantages of fiber sensor configuration with respect to current technologies. Relevant topics include, but are not limited to, the following:

- Advanced fiber design and fabrication for sensing applications;
- Fiber sensors for mechanical, chemical, environmental, biological, and medical applications;
- Applications in industry, life sciences, oil and gas, civil engineering, materials, and defense;
- Micro- and nanostructured fiber sensors;
- Fiber lasers for sensing applications;
- Distributed sensing;
- Sensor integration and data fusion, network architectures, packaging, and long-term reliability;
- Lab-on-fibers.
- AI-enabled fiber optic sensing and data processing.

---

### Guest Editors

Prof. Dr. Swee Chuan Tjin

School of Electrical and Electronics Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798, Singapore

Prof. Dr. Lei Wei

School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, Singapore

---

### Deadline for manuscript submissions

closed (31 July 2022)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/61472](https://mdpi.com/si/61472)

*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)