

# Special Issue

## Specialty Optical Fiber Sensors

### Message from the Guest Editor

The aim of this Special Issue is to collect and highlight the latest advances in fiber sensors based on specialty optical fibers and their applications. Original research papers or review papers that focus on the design and experimental performances on the fiber sensors, as well as on their applications to interrogation and monitoring systems are welcome.

- Solid-core/hollow-core photonic crystal fibers, exposed-core fibers, suspended-core fibers
- Multimaterial fibers, functionalized fibers, lab-in-fiber
- Optofluidic/gas sensing platforms
- Post-processing of specialty optical fibers
- Bragg grating, tilted grating, long period grating
- Surface plasmon resonance, surface enhanced Raman spectroscopy
- Distributed, multiplexed sensing

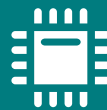
### Guest Editor

Dr. Georges Humbert

XLIM Research Institute, UMR CNRS/University of Limoges, 123 Av. Albert Thomas, 87060 Limoges, France

### Deadline for manuscript submissions

closed (30 June 2020)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/34540](https://mdpi.com/si/34540)

*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)