



*sensors*



an Open Access Journal by MDPI

## Advances in the Design and Application of Optical Fiber Sensors

Guest Editor:

**Prof. Dr. Hailiang Chen**

Faculty of Science, Yanshan  
University, Qinhuangdao, China

Deadline for manuscript  
submissions:

**15 September 2024**

### Message from the Guest Editor

This Special Issue of the journal *Sensors*, entitled “Advances in Design and Application of Optical Fiber Sensors”, aims to gather recent advancements in optical fiber sensors. Papers that focus on all aspects of the design and application of optical fiber sensors are welcome. The papers published in this Special Issue will contribute to the development of photonics and optics. This Special Issue will also provide a rapid publishing platform for scientific researchers to publish their innovative results.

We invite submissions on a wide range of advances in the design and application of optical fiber sensors, including but not limited to:

- Physical sensors;
- Chemical sensors;
- Medicine sensors;
- Biology sensors;
- Gas sensors;
- Artificial intelligence applications in optical fiber sensors;
- Novel sensing mechanisms and methods.



[mdpi.com/si/183745](https://mdpi.com/si/183745)

# Special Issue



*sensors*



an Open Access Journal by MDPI

## 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

## 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.

## 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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)