



Sensors Based on Optical Waveguide

Guest Editors:

Dr. Romeo Bernini

Institute for Electromagnetic
Sensing of the Environment,
80124 Napoli, Italy

Dr. Genni Testa

Institute for Electromagnetic
Sensing of the Environment,
80124 Napoli, Italy

Dr. Gianluca Persichetti

Institute for Electromagnetic
Sensing of the Environment,
80124 Napoli, Italy

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

This Special Issue aims to cover advancements, developments, and applications over a wide range of topics in this area. We solicit research papers from state-of-the-art contributions to critical reviews. Topics of interest include but are not limited to:

- Optical fiber sensors
- Integrated planar waveguide-based sensors
- Single mode, few mode, and multimode sensors
- Optical waveguides for sensing applications
- Specialty fibers for sensing application
- Photonic crystal fiber sensors
- Interferometric waveguide sensors
- Resonator waveguide sensors
- Optical waveguides sensor fabrication techniques
- Fiber Bragg gratings (FBG)
- Sensors for biomedical application
- Optical lab-on-chip sensors
- Optical fiber sensor multiplexing techniques
- Distributed fiber sensors
- Polymer optical fiber/waveguide sensors
- Novel waveguides for sensing applications





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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 and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)