



sensors



an Open Access Journal by MDPI

Enhanced Optical Fiber Based Surface Plasmon Resonance Sensors

Guest Editor:

Dr. Getinet Woyessa

DTU Electro, Department of
Electrical and Photonics
Engineering, Technical University
of Denmark, 2800 Lyngby,
Denmark

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue invites contributions of original research, which are not currently under review elsewhere in other journals or conferences, covering the following topics for fiber optic-based surface plasmon resonance (SPR) sensors performance enhancement

- New fiber designs (fabrication feasible)
- New sensor probe design (fabrication feasible)
- New plasmonic materials
- Optimization of the current state of the art info-SPR
- Fiber optic processing methods to access evanescent field
- Miniaturization of FO-SPR sensors
- Applications of FO-SPR sensors (particularly for bio-sensing)
- Long-term performance of FO-SPR sensors
- Packaging of FO-SPR sensors
- Commercialization of FO-SPR sensors

Papers covering other topics that are relevant to the Special Issue topic are also welcome.



mdpi.com/si/115104

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

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