



Fiber Optic Sensors and Applications 2021–2022

Guest Editors:

Dr. Aitor Urrutia

Dr. Pablo Zubiate

Dr. Nerea De Acha Morrás

Dr. Diego Lopez-Torres

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Optical fiber sensing is currently an emerging and versatile technology, thanks to the continuous advances in micro/nanofabrication techniques as well as the application of new nanomaterials. Novel microstructured fibers combined with a new generation of nanostructured coatings are enabling the development of enhanced optical fiber sensors. Consequently, there is an increasing interest in these fiber-based devices for the monitoring of physical, chemical, and biological parameters providing higher sensitivity ratios, better minimum concentration values, or improving other sensing parameters.

The aim of this Special Issue is to collect the most recent and relevant advances in fiber optic sensors, including fundamental and applied research, sensing platforms and fiber configurations, sensing mechanisms and other applications in the period 2021–2022.

Dr. Aitor Urrutia

Dr. Pablo Zubiate

Dr. Nerea De Acha

Dr. Diego Lopez-Torres

Guest Editors





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 (*Chemistry, Analytical*) / 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](#)