



sensors



an Open Access Journal by MDPI

Health Monitoring with Optical Fiber Sensors

Guest Editors:

Dr. Paulo Antunes

1. I3N & Physics Department of
the Aveiro University, 3810-193
Aveiro, Portugal
2. Instituto de
Telecomunicações, 3810-193
Aveiro, Portugal

Dr. Hugo Rodrigues

Civil Engineering Department,
University of Aveiro, 3810-193
Aveiro, Portugal

Deadline for manuscript
submissions:

15 August 2024

Message from the Guest Editors

The monitoring and identification of potential structural damage and its evolution require the development of advanced structural sensing networks and monitoring techniques. Within the detection technologies, optical fiber sensors (OFS) present advantages over several other technologies. Recent advances in the field of optoelectronics have increased and highlighted the importance of OFS in relation to electrical devices. These have valuable features such as immunity to electromagnetic interference, high sensitivity and resolution, multiplexing capabilities, absence of electrical power in the measurement area, reduced size and mass, resistance to extreme environments (chemicals), and minimal aesthetic invasion (important for historic structures open to the public).



mdpi.com/si/65411

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](#)