



sensors



an Open Access Journal by MDPI

Innovative Photonic and Microwave Sensing Approaches and Their Applications

Guest Editors:

Prof. Dr. Nunzio Cennamo

Department of Engineering,
University of Campania Luigi
Vanvitelli, Via Roma 29, 81031
Aversa, Italy

Dr. Maria Antonia Maisto

Department of Engineering,
University of Campania Luigi
Vanvitelli, Via Roma 29, 81031
Aversa, Italy

Dr. Agnese Coscetta

University of Campania Luigi
Vanvitelli, Department of
Engineering, Via Roma 29, 81031
Aversa - ITALY

Deadline for manuscript
submissions:

closed (20 July 2022)

Message from the Guest Editors

Photonic and microwave sensors have been shown to be suitable for applications in numerous important fields, including medical diagnostics, environmental monitoring, industrial applications, food safety, and security when fast, portable, low-cost, and rugged devices are needed for detection and identification.

The aim of this Special Issue is to bring together researchers active in the innovative developments of novel sensing schemes, smart materials and receptors, nanostructures, algorithms, and applications of sensor systems. Works addressing the wide aspects of this technology are sought, including, but not limited to, recent developments in new measurement schemes, hybrid devices, novel strategies setup to improve sensor sensitivity and selectivity, miniaturization and multiplexing capabilities, novel hardware and software tools and environments, new bio/chemical receptors, transducer schemes, and novel sensor systems with relative applications.

Prof. Nunzio Cennamo
Dr. Maria Antonia Maisto
Dr. Agnese Coscetta
Guest Editors



mdpi.com/si/41421

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](#)