



Optical Sensors, Biosensors and Sensing Methodologies: Novel Materials, Approaches, Configurations and Applications

Guest Editors:

Prof. Dr. Nunzio Cennamo

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

Prof. Dr. Luigi Zeni

1. Department of Engineering,
University of Campania "Luigi
Vanvitelli", Via Roma 29, 81031
Aversa, Italy
2. IREA-CNR, Via Diocleziano 328,
80124 Napoli, Italy

Dr. Bruno Ando

Department of Electric,
Electronic and Information
Engineering (DIEEI), University of
Catania, Catania, Italy

Deadline for manuscript
submissions:

closed (30 October 2019)

Message from the Guest Editors

Dear Colleagues,

Novel sensing methodologies based on optical sensors are used in numerous important fields, including pharmaceutical research, medical diagnostics, environmental monitoring, agriculture, industrial applications, food safety and security.

Works dealing with all the features of this technology are sought, including but not limited to, recent developments in: New configurations based on optical sensors, hybrid devices, novel experimental setup to improve the sensitivity, miniaturization, multiplexing capabilities and microfluidic integration, optical integrated biosensor systems (lab-on-chip), new bio/chemical receptors for optical sensors and new optical devices for biochemical sensing.

- Chemical Sensors and Biosensors
- Nano and Micro Sensors
- Physical Sensors
- Optical Sensors
- Microfluidics
- Sensing methodologies

Dr. Nunzio Cennamo

Prof. Dr. Luigi Zeni

Prof. Dr. Bruno Andò

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 (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](#)