

Special Issue

Nanophotonic Integrated Sensors

Message from the Guest Editor

Nanophotonics is an appealing technology for several biochemical and physical sensing applications. Nanophotonics covers two main branches: Integrated photonics and metamaterials. Integrated photonics has its roots in telecommunication applications and is nowadays largely recognized for the development of high performance sensors having low cost, small footprint, immunity to electromagnetic interference, and reduced invasiveness. Nanophotonic-integrated sensors present great potential in Point-of Care diagnostics, where a reduction of both health care cost and diagnostic time is expected. Alzheimer biomarkers, cardiac markers, temperature and pressure are typical applications where nanophotonic sensing can demonstrate its efficiency. The aim of this Special Issue is to collect and make readily available the most significant theoretical and/or experimental works in this research field, in order to propose performance improvement strategies and to show future development directions that can overcome current technological obstacles toward industrialization. For more information, please click: mdpi.com/si/52815.

Guest Editor

Dr. Francesco De Leonardis

Department of Electrical and Information Engineering, Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Deadline for manuscript submissions

closed (28 February 2021)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/52815

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

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.

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

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)