



Micro and Nanodevices for Sensing Technology

Guest Editor:

Dr. Daniel Ramos

Instituto de Micro y
Nanotecnología (IMN-CSIC). 8,
Isaac Newton (PTM), Tres Cantos,
28760 Madrid, Spain

Deadline for manuscript
submissions:

closed (25 February 2024)

Message from the Guest Editor

This Special Issue aims to gather the community and highlight the relevance of micro- and nanodevices in the sensing field. We invite manuscripts for this forthcoming Special Issue on all aspects pertinent to nanosensors for general sensing applications, such as the development, testing, and modeling of any kind of micro- and nanosensors, advances in fabrication, etc. In this regard, studies in the fields of CMOS integration, microfluidic devices or novel transduction schemes are welcome.

Topics include, but are not limited to, the following research areas:

- Biosensing and environmental analysis;
- Force sensing;
- Nanomechanical sensing;
- Optomechanical sensing;
- Surface plasmon resonance sensors;
- The fabrication of novel nanosensor platforms;
- New micro- and nanosensing schemes;
- Microfluidics;
- Microsensors and microactuators;
- Processes and fabrication technologies for miniaturized resonators;
- MEMS/NEMS transduction methods;
- Material research oriented to microsystem resonators.





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](#)