

Special Issue

Nanomaterials Based Sensors and the Application

Message from the Guest Editor

The Special Issue intends to collect contributions devoted to developing sensing systems based on the use of nanomaterials. Incorporation of nanoparticles in sensing schemes not only require specific methods of synthesis and proper characterization techniques, but additionally efficient nanomaterial functionalization is one of the key factors required before developing a reliable sensor. Applications of nanomaterials based sensors for detection and/or screening of molecules of relevance in environment, industrial process control, food control and clinical diagnostics are also welcome. Potential topics cover a wide range of research fields related to the fundamental and applied aspects for the sensor nanomaterials and their novel functionalities and applications, and include but are not limited to the following:

- development of nanomaterials for sensing and biosensing
- strategies of functionalization of nanomaterials for sensing purposes
- characterization of nanomaterials used in sensors
- development of hybrid sensing nanomaterials
- applications of nanomaterials in sensing
- sensing of nanomaterials in environmental and biological media

Guest Editor

Prof. Dr. Jose Manuel Costa-Fernandez
Department of Physical and Analytical Chemistry, University of Oviedo,
33006 Oviedo, Spain

Deadline for manuscript submissions

closed (15 July 2020)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/31567

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 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)