

Special Issue

Nanocomposite Sensors

Message from the Guest Editor

The introduction of functional particles into matrices to enhance sensing performance is an area of growing interest. Nanoparticles can range in material type, such as metals, polymers, semiconductors/quantum dots, and inorganic material, as can their matrices. This Special Issue is focused on targeting materials and their measurement and performance through the incorporation of nanoparticles into said materials for applications in the biomedical, pollution, structural health monitoring fields. Potential topics cover a wide range of research fields related to the fundamental and applied aspects of sensor nanomaterials, as well as their novel functionalities and applications, and include (but are not limited to) the following:

- Synthesis and measurement of nanocomposites for sensing and biosensing;
- Functionalization and labeling of the incorporated nanomaterials for sensing purposes;
- Sensing devices using nanocomposites;
- New approaches to measuring the performance of nanocomposite sensing materials;
- Applications of nanocomposites in sensing.

Guest Editor

Dr. Nandika Anne D'Souza

Department of Mechanical and Energy Engineering, University of North Texas, Denton, TX 76207, USA

Deadline for manuscript submissions

closed (30 May 2021)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/67230

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)