

Special Issue

Functional Nanomaterials in Sensing

Message from the Guest Editors

This Special Issue is devoted to forefront interdisciplinary research topics related to functional nanomaterials applied to sensing technologies. Nanomaterials of interest include, but are not limited to, metal and carbon nanomaterials developed for sensing, biosensing and other medical diagnoses. Owing to their unique physiochemical and optoelectronic properties, these functional nanomaterials often provide exceptional tunable characteristics that enhance the efficiency and stability of sensing devices. In addition, the combination of their individual unique properties can allow hybrid nanocomposites to provide a synergistic effect to their sensing performance, leading to advanced sensing technology in various fields. Accordingly, this Special Issue cordially seeks researchers willing to provide contributions demonstrating advancements in functional nanomaterial-based electrochemical sensing technology applied for the detection of relevant molecules of environmental and biological significance. For more details, please visit [here](#).

Guest Editors

Dr. Jai Prakash

Prof. Dr. Bruno Campos Janegitz

Dr. Danny Wong

Deadline for manuscript submissions

25 July 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/144964

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)