Special Issue

Nanobiosensors for the Detection, Diagnostic and Monitoring of Bacterial or Viral Agents

Message from the Guest Editor

For this Special Issue entitled “Nanobiosensors for the Detection, Diagnosis, and/or Monitoring of Bacterial or Viral Agents”, we encourage the submission of original research or review manuscripts discussing the utilization of nanotechnologies for the detection, diagnosis, and/or tracking and imaging of bacterial or viral agents in environmental or biological samples. We welcome discussions on the biocompatibility of sensor materials, specificity determination, detection limit, response time, ability to differentiate infectious from non-infectious agents, etc. In addition, we also welcome reports on data acquisition, transmission, sensor energy sources, etc. Finally, thoughts on nanobiosensors’ fate in the environment and in patients and their risk assessment are appreciated. Papers concerning the development of industrial standards and guidelines in relation to working with nanobiosensors are also of interest. **Keywords:** Nanotechnology; Biosensor; Surface Functionlization; Detection Limit; Specificity; Rapid Detection; Microfluidic; Lab-on-a-chip

Guest Editor

Dr. Tzuen-Rong Tzeng
Department of Biological Sciences, Clemson University, Clemson, SC 29634-0314, USA

Deadline for manuscript submissions

closed (15 October 2022)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/55947

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

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

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)