

Special Issue

Luminescence Based Nano-Sensors for Biomedical Applications

Message from the Guest Editors

This Special Issue focuses on novel technological innovations, including the design and synthesis of luminescent nanosensors; new nanomaterials; solutions to challenges, such as signal to noise ratio (SNR), data processing, biocompatibility and targeting ability; and new application areas, in vitro, ex vivo and in vivo. The objective is to collect reviews, tutorials and original research articles that provide a timely summary of cutting-edge results and emerging technologies in these interdisciplinary fields. Keywords:

- nanosensors
- biosensing
- chemical sensing
- nanotechnology
- fluorescence
- optical
- luminescence
- phosphorescence
- chemiluminescence
- bioluminescence

Guest Editors

Prof. Dr. Jeffrey N. Anker

Department of Chemistry, Bioengineering Department, Center for Optical Materials Science and Engineering (COMSET) and Environmental Toxicology Program, Clemson University, Clemson, SC 29634, USA

Dr. Aniruddha Ray

Department of Physics and Astronomy, University of Toledo, Toledo, OH, USA

Deadline for manuscript submissions

closed (25 July 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/89031

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)