

Special Issue

Recent Innovations in Biosensors for Chemical Analysis

Message from the Guest Editor

Biosensors, regarded as a pivotal branch of modern analytical technology, are gaining prominence in research, product development, and investment. Biosensors are positioned to directly detect primary analytes, rendering them tools across diverse applications and giving them the potential to revolutionize fields such as healthcare, environmental monitoring, and biotechnology. Due to their remarkable compatibility and versatility, biosensors offer a dynamic platform for integrating various fabrication and detection technologies. Includes cutting-edge methodologies: nanotechnology, microfluidics, electrochemical detection, and optical technologies. This Special Issue seeks to accomplish the following objectives:

- Investigate novel channels and methodologies for developing biosensors based on new functional materials and innovative sensing principles.
- Establish a platform for exchanging research experiences in biosensors, providing academic support for an expanding initiative to advance the development of biosensors.
- Promote the broader utilization of biosensors across various fields.

Guest Editor

Dr. Renjie Wang

Department of Chemistry and Biochemistry, Charles E. Schmidt College of Science, Florida Atlantic University, Boca Raton, FL 33431, USA

Deadline for manuscript submissions

closed (20 June 2024)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/186976

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)