Topical Collection

Enabling Technologies for Biosensors

Message from the Collection Editors

Biosensors are devices endowed with the ability of sensing and quantifying the presence of molecules of biological origin, possibly utilizing also biological molecules to probe some analytes either in vivo or in vitro. Sample preparation, sample translation, analyte exposure to sensing elements, signal transduction, amplification, data acquisition and storage, data readout and evaluation are only some examples of needed stages. As such, biosensors rely on both well established and developing technologies such as micro to nanoelectronics, optics, microfluidics, (electro)chemistry, diverse biotechnologies (PCR, protein engineering, protein heterologous overexpression, phage display, solid state peptide synthesis...), combinatorial chemistry, surface functionalization, AI, just to quote some. Therefore, this Special Issue aims to collect the latest scientific and technological advances in any relevant enabling technology impinging on the development and improvement of biosensors. For detailed information, please visit here.

Collection Editors

Prof. Dr. Paolo Facci

Consiglio Nazionale delle Ricerche, Institute of Biophysics, Genova, Italy

Prof. Dr. Andrea Alessandrini

CNR-Nanoscience Institute-S3, Via Campi 213/A, 41125 Modena, Italy

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/54381

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

MDPI

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)