

Special Issue

Electrochemical (Bio)sensors for Biomedical Applications

Message from the Guest Editors

As electrochemical technology has evolved over the years, it has proven to be a considerably important tool in the fields of neuroscience and medical diagnosis. The nervous system is controlled by many compounds, such as dopamine, ascorbic acid, and others (known also as neuromodulators), which can be detected with the aid of electrochemical sensors. Accurate detection of such substances could lead to earlier diagnosis of diseases and to a better comprehension of the nervous system. Selectivity and stability of the studied materials involved in such sensors are the main challenges, mainly for in vivo electrochemical recordings. Enzymeless-based electrochemical sensors are considered promising candidates for such compounds' detection. Prof. Dr. Brouzgou Angeliki

Guest Editors

Dr. Angeliki Brouzgou

Department of Energy Systems, School of Technology, University of Thessaly, Geopolis, Ring-Road of Larisa-Trikala, GR-41500 Larisa, Greece

Dr. Theodoros Damartzis

Industrial Process and Energy Systems Engineering (IPESE), École Polytechnique Fédérale de Lausanne (EPFL), 1951 Sion, Switzerland

Deadline for manuscript submissions

closed (30 September 2022)



Sensors

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/55702

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 4.0
CiteScore 9.4
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
Department of Electrical and Information Engineering, Politecnico di
Bari, Via Orabona 4, 70126 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)