



sensors



an Open Access Journal by MDPI

Recent Advancement and State-of-the-Art Electrochemical Sensors

Guest Editor:

Prof. Dr. Chung-Chiun Liu

Case Western Reserve University,
Cleveland, United States

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Summary: The development of electrochemical-based chemical and biosensors is the focus of our research. This research endeavor involves thin- and thick-film microfabrication technologies, nanocatalysts, and sensing material selection, and immobilization of biocatalysts, such as enzymes, antibodies, and proteins. Electroanalytical measurement techniques, such as cyclic voltammetry, amperometry, and differential pulse voltammetry (DPV) and others, are also included in our research endeavor.

Dear Colleagues,

A Special Issue on “Recent Advancement and State-of-the-Art Electrochemical Sensors” supported by *Sensors* MDPI is planned. Electrochemical sensors represent an important sensor transduction mechanism, and sensors are relatively simple to produce and to operate with high sensitivity and selectivity. They are very unique, suitable for chemical, biochemical, and biomedical sensing and applications, and directly affect our environmental, industrial, and human health monitoring and safety.

The particular topics of interest include, but are not limited to:

- Electrochemical sensors
- Electroanalytical techniques
- Chemical and biosensors



mdpi.com/si/39705

Special Issue



sensors



an Open Access Journal by MDPI

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

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.

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)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)