chemosensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.7

CITESCORE 5.0

Recent Advances in Electrochemical Biosensors for Agricultural, Biological, and Environmental Applications

Guest Editors:

Prof. Dr. ZhengRong Gu
Department of Agri&Biosystems Eng., South Dakota State University, Brookings, SD 57007 USA

Dr. Shun Lu
Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences, Chongqing, China

Deadline for manuscript submissions:
closed (15 August 2023)

Message from the Guest Editors

In recent years, considerable efforts have been made regarding the development of functional materials with desirable properties (e.g., excellent selectivity, high stability, and high anti-inference ability) for electrochemical biosensors. Various functional materials, including metal compounds (oxides, sulfides, nitrides), quantum dots, metal–organic framework compounds, etc., were developed. The above functional materials endow electrochemical biosensors with fruitful applications, such as (bio)sensing of various agricultural targets (e.g., pesticide residues), biological targets (e.g., dopamine, uric acid, enzymes, and pathogenic microorganisms), and environmental pollutants (heavy-metal ions and toxic gases).

This Special Issue of *Chemosensors* focuses on the recent developments of electrochemical biosensors, with particular focus on their applications in agricultural, biological, and environmental applications. We look forward to receiving your contributions.

chemosensors

IMPACT FACTOR 3.7

CITESCORE 5.0

an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Nicole Jaffrezic-Renault
Institute of Analytical Sciences, UMR CNRS 5280, Department LSA, 5 Rue de La Doua, 69100 Villeurbanne, France

Prof. Dr. Jin-Ming Lin
Department of Chemistry, Beijing Key Laboratory of Microanalytical Methods and Instrumentation, Tsinghua University, Beijing 100084, China

Message from the Editorial Board

Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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), CAPlus / SciFinder, Inspec, Engineering Village and other databases.
Journal Rank: JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q2 (*Analytical Chemistry*)

Contact Us

Chemosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/chemosensors
chemosensors@mdpi.com
𝕏@chemosens_MDPI