

Special Issue

Advanced Electrochemical Biosensors

Message from the Guest Editor

Electrochemical sensors possess various advantages over conventional sensors, such as high sensitivity and selectivity, simple instrumentation, portability, outstanding compatibility, short analysis time, and low cost. Thus, various types of sensors based on electrochemical techniques have been developed for the detection of chemically, biologically, and environmentally important analytes. With recent developments in advanced material science and electronic technology such as signal processing and front-end electronic systems, electrochemical sensing methods are comprising a very wide range of analytical possibilities. Among these, electrochemical biosensors have attracted significant interest for the detection of biochemical compounds such as biological proteins, nucleotides, and even tissues due to their practical applications in health care, early diagnosis, and environmental monitoring. This Special Issue is aimed at publishing outstanding papers including but not limited to various state-of-the-art electrochemical biosensing technologies.

Guest Editor

Prof. Dr. Tae Hyun Kim

Department of Chemistry, Soonchunhyang University, Asan 31538, Korea

Deadline for manuscript submissions

closed (31 August 2020)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/36738

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)