

Special Issue

Electrochemical Biosensors: From Design to Applications

Message from the Guest Editors

The electrochemical biosensor is a type of sensor that transduces biochemical events such as enzyme–substrate reaction and antigen–antibody interaction to electrical signals. Over the years, various types of electrochemical biosensors have been introduced and commercialized for diverse applications, due to their accuracy, cost-effectiveness, and sensitivity. Owing to the fact that these biosensors yield an electrical signal, a miniaturized measurement and diagnosis method is achievable based on electronic systems, suitable for portable, wearable, or implantable applications. Therefore, this Special Issue on “Electrochemical Biosensors: From Design to Applications” focuses on recent advances in the development of electrochemical biosensors and their feasibility for various applications.

We invite submissions of research that help to advance the field of electrochemical biosensor technology and its application for easy diagnosis and status monitoring that can further promote at-home medical service.

Guest Editors

Dr. Young–Joon Kim

Department of Electronic Engineering, Gachon University, Seongnam 13120, Republic of Korea

Prof. Dr. Sungbo Cho

Department of Electronic Engineering, Gachon University, Seongnam 13120, Gyeonggi–Do, Republic of Korea

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

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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della
Laustruccia 3, 50019 Sesto Fiorentino, Italy

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