

Special Issue

State-of-the-Art and Advances in Electrochemical Sensors/Biosensors

Message from the Guest Editors

The research on enzymatic biosensors has been mostly focused on amperometry based devices. Though the detection of an enzymatic reaction can be achieved by voltammetry, potentiometry or electrochemical impedance spectroscopy. Electrochemical biosensors offer a number of advantages in terms of sensitivity, detection limits and linear responses and have been effectively transferred from the laboratory to the real-world testing. But for enzymatic electrochemical biosensors, there are still many challenges e.g., stability and shelf-life aspects, complex fabrication, high associated costs, etc., which need to be addressed or improved for better performance and from commercial perspective.

This Special Issue devoted to the interesting techniques, methods, and devices related to electrochemical enzyme biosensors, enzyme mimetics, innovative electrochemical mediators, novel immobilization strategies, advanced and functional materials for fabrication, in order to develop highly sensitive, selective, stable and reliable biosensors for agri-food, healthcare & diagnostics and environmental applications.

Keywords:

- enzyme biosensors
- electrochemical sensors and biosensors

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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.

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