



Applications of Enzymatic Electrochemical Biosensors

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Message from the Guest Editors

Dear Colleagues,

Living organisms are complex units with different biological molecules acting as messengers which can be detected and monitored continuously using enzyme-based electrochemical biosensors in the field of healthcare and clinical diagnosis, the food industry, environmental monitoring and security from biological and chemical warfare agents (CBWA), etc. Enzymatic electrochemical biosensors are applied for the detection of different species of environmental or healthcare significance, organophosphate nerve agents, pathogenic agents, and toxins. In recent years, real-time monitoring of biologically significant messenger molecules has become significant to study and diagnose the physiological and pathological conditions in vivo for healthcare and diagnostic services. Effective mass screening with rapid and selective detection of CBWA is highly demanding for security and law establishment as counterterrorism measures with the increasing concern of global terrorism.

This Special Issue aims to provide an overview of enzyme-based electrochemical biosensors and their applications in different fields.

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