Special Issue

Electrochemical Biosensing Platforms for Food, Drug and Health Safety

Message from the Guest Editor

Electrochemical platforms are emerging as powerful tools for various applications in the fields of food, drug, and health. These platforms rely on the principles of electrochemistry to detect and quantify target analytes in complex matrices such as food, drugs, and biological fluids. They offer several advantages, such as high sensitivity, selectivity, and a rapid response time. In the food industry, electrochemical platforms can be used for detecting contaminants, such as pesticides, heavy metals, and foodborne pathogens, ensuring the safety and quality of food products. In the food industry, electrochemical platforms can be used for detecting contaminants, such as pesticides, heavy metals, and foodborne pathogens, ensuring the safety and quality of food products. In the pharmaceutical industry, electrochemical platforms can be used for drug discovery, drug delivery, and monitoring drug efficacy. In the healthcare industry, electrochemical platforms can be used for disease diagnosis, monitoring biomarkers, and personalized medicine.

Guest Editor

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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.

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