Special Issue

Electrochemical Sensors for Detection and Analysis

Message from the Guest Editors

Current investigations on sensing materials have increased rapidly due to their ever-improving electrochemical properties, which together with advances in electrochemical methods and sensor electronics make them extremely useful in on-site and on-demand electrochemical detection and analysis. The chemical composition of nanostructured materials and composites contribute to superior sensitivity and selectivity of sensors. Emerging nanomaterials can have a significant effect on electrochemical properties and together with various voltammetric and amperometric methods offer novel opportunities for fast and reliable on-site analysis.

This Special Issue aims to focus on the most recent strategies and developments in the field. Papers should address the preparation and use of state-of-the-art nanomaterials and/or the study and application of their electrochemical properties and/or improved sensitivity/selectivity of such materials as well as novel electrochemical methods in the development of sensors. Metal nanoparticles or alloys, conductive nanoporous platforms and 2D materials are among the innovative nanomaterials expected to be brought forward in this Special Issue.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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