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Electrochemical Sensors in Bioanalytical Chemistry

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Message from the Guest Editors

Electrochemical transducers are at the core of electrochemical sensors and convert chemical information into measurable electrical signals (such as current, voltage, charge, and impedance) in a proportional manner to the analyte's concentration. The intervention of nanomaterials, nanocomposites and conducting polymers in electrochemical sensor build-up, along with improvements in miniaturization techniques, and engineering of chemical and biological matter contributed to the development of sensors with unprecedentedly high sensitivity and selectivity parameters.

This Special Issue covers the latest advances in electrochemical sensors development, focusing on all aspects of design, fabrication, and implementation strategies exploiting functional materials and natural or biomimetic materials.

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