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Electrochemical Aptasensors: From Design to Applications

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Message from the Guest Editors

Dear Colleagues,

Recent progress in bioanalytical applications has significantly benefited from the synthesis and characterization of new classes of biomimetic receptors, such as nucleic acid ligands, coupled to electrochemical instrumentation. The combination between aptamers and electrochemistry offers the possibility to develop a huge number of simple-to-use devices with a low cost, fast and sensitive response and high selectivity.

This Special Issue aims to share new developments in the design of electrochemical aptasensors, in the form of original research or review articles, including also a focus on their applications. The state of the art should be presented, as well as the addressing of the new challenges that are being faced and the understanding of the perspectives on the future of the field.

We look forward to your contributions.



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Special Issue



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Message from the Editor-in-Chief

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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