



Electrochemiluminescence Biosensors

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Message from the Guest Editor

Dear Colleagues,

Electrochemiluminescence (also electrogenerated chemiluminescence, ECL) is a kind of luminescence that occurs on/near the surface of an electrode as a result of electrochemical reactions and chemiluminescence (CL) reactions. In recent years, ECL-based biosensors have become a developing alternative tool for bioanalysis and clinical diagnostics owing to their perfectly combined electrochemical and spectroscopic techniques, excellent properties such as simple device requirements, low background noise, high sensitivity, and wide dynamic range. Therefore, the development of ECL biosensors with high sensitivity, reproducible results, and stability has become a hot topic in recent years, particularly with their use as a clinical tool in the biosensing field.

For this Special Issue, we welcome original research papers as well as reviews about current developments in Electrochemiluminescence Biosensors and their related applications.





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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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