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Electrochemical (Bio)sensors Based on Nanomaterials

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Message from the Guest Editors

Nanomaterials-based electrochemical sensors or biosensors are crucial for environmental, health, food, and clinical applications. A variety of nanomaterials (metal nanoparticles, metal oxide nanomaterials, carbon nanomaterials, polymers, biomaterials, and others) are being used for developing an efficient electrochemical sensing platform for the detection of environmental contaminants, disease-causing pathogens, and disease biomarkers. The performance of these nano-electrochemical sensors and biosensors is evaluated on the basis of their dynamic response range of analyte, response time, limit of detection, sensitivity, selectivity, reproducibility, and affordability. Apart from their *ex vivo* applications, these sensors are also very useful for *in vivo* analyte monitoring. Thus, the field of nano-electrochemical sensors/biosensors is an intriguing aspect of analytical and bioanalytical sciences. The aim of this Special Issue is to provide an opportunity for researchers to publish their original/cutting-edge research ideas on the design and development of nanomaterials-based electrochemical sensors and biosensors for a wide range of analytical applications.



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Special Issue



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Message from the Editor-in-Chief

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