Special Issue

Advances in Nanomaterial-Based Electrochemical and Optical Biosensors

Message from the Guest Editor

Nanomaterials, such as inorganic derivatives (e.g., noble metals, metal oxides, etc.), organic derivatives (e.g., complexing agents, polymers, etc.), hybrid nanostructures, and carbon nanomaterials (e.g., CNTs, GQDs, CDs, etc.), have gained great importance due to their outstanding electrochemical, optical, and structural properties and their use in many application fields, in particular in sensor development. Nanomaterials can be synthesized by various methods, and thus, depending on the initial compounds used and the preparation/synthesis protocol, nanomaterials with different sensing properties can be obtained. In this Special Issue, we would like to encourage the submission of original articles and reviews covering all aspects of nanomaterial-based biosensor development, enabling readers to learn more about this field of research. Therefore, we welcome high-quality articles reporting on the development of biosensors from nanomaterials, including recent advances in synthesis, characterization, property studies, testing, validation, and applications

Guest Editor

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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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