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Biosensors Based on Nanostructure Materials

Guest Editor:

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closed (30 September 2020)

Message from the Guest Editor

Dear Colleagues,

At present, the biosensors technology is a particular interest because of the multiple applications from monitoring glucose level in diabetes patients, food analysis, environmental applications, protein engineering, drug discovery, and security applications. The trends in biosensor technology over the past few years have been to use nanomaterials in order to enhance sensing capabilities. This Special Issue aims at collecting reviews and recent papers on the recent advancements on nanomaterials for the fabrication of biosensors devices for healthcare diagnostics, food quality control, environmental monitoring, security, and bioprocessing. Furthermore, the combination of different nanomaterials in the same sensing interface, each with its characteristics, to further enhance the performances of biosensors, is accepted.

Prof. Camelia Bala
Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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