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Nanostructured Biosensors

Guest Editors:

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Deadline for manuscript submissions:
closed (5 April 2019)

Message from the Guest Editors

Dear Colleagues:

Nanotechnology has provided tools, methods, and materials that can be readily exploited for biosensor construction. Lab-on-chips, for example, may have become a reality for commercial systems; hand-held devices could be massively produced for field measurements; noninvasive monitoring for disease management might be successful in the near future. We invite authors to contribute original research articles or comprehensive review articles covering the current state-of-the-art and the future trends in the design of nanostructured biosensors for applications in environmental monitoring, food quality, clinical diagnostics, drug discovery, and disease monitoring. This special issue aims to cover a broad range of subjects, from device design and assembly to analytical development, implementation and commercialization prospects. The format of welcomed articles includes full papers, communications, and reviews.

Prof. Dr. Dimitros P. Nikolelis
Dr. Georgia-Paraskevi Nikoleli
Guest Editors

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Editor-in-Chief

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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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