Special Issue

Advanced Nanomaterial-Based Sensors for Biomedical Applications

Message from the Guest Editors

Advanced nanomaterials, with unique physicochemical properties that differ from those of bulk materials, are ideal hosts for many novel applications. The past decade has seen unprecedented growth in applying advanced nanomaterials in biosensing and biomedical applications. Nanomaterials such as nanoparticles, quantum dots, nanowires, nanotubes, nanoribbons, nanographene, etc. have been widely and successfully applied as nanosensors in disease diagnosis, drug delivery, medical imaging, and implants. The aim of this Special Issue is to present high-quality original research articles, methods, opinions, perspectives, and reviews on the frontiers of nanosensors for biosensing and biomedical applications. Original, high-quality contributions from both academia and industry are welcomed. Topics may include but are not limited to:

- Magnetic, mechanical, and optical nanodevices and nanosensors for biomedical applications;
- Cytotoxicity and biocompatibility of nanomaterials and nanosensors;
- Nanomaterials such as nanowires, nanoparticles, nanotubes, nanoflakes, quantum dots, nanoribbons, and nanographene for biosensing and biomedical applications.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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