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Nanoparticles-Based Biosensors

Guest Editors:

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Deadline for manuscript
submissions:

closed (15 November 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to publish state-of-the-art original articles and comprehensive reviews covering nanoparticle-based sensors from the design, fabrication, chemistry, analysis, and/or applications perspectives. Some of the topics that will be covered include:

- Chemosensors;
- Biosensors;
- Applications in volatiles or liquids sensing;
- Devices sensing devices incorporating nanoparticles;
- Pressure, temperature, humidity, light, conductance/resistivity, electrochemical, or radiation sensors;
- Real-time sensing;
- In vivo sensing and tracking;
- Diagnostic imaging;
- Nanoparticle-based immunochemical biosensors;
- Fluorescent, luminescent, or SERS-active nanoparticle sensors;
- Porous nanoparticles-based sensors;
- Supramolecular nanoparticles-based sensors;
- Nanostructured Polymer-based sensors;
- Plasmonic nanoparticles-based sensors;
- Carbon nanotubes-, gold-, or dendrimer-based sensors;
- Field-effect transistor-based sensors



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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