Special Issue

Nanoengineering for Advanced Biosensors

Message from the Guest Editor

Biosensors are playing pivotal roles in advancing our knowledge about life and managing public health. In recent years, nanotechnology has revolutionized these sensors in terms of their sensitivity and throughput by allowing the nanoengineering of transducers and biorecognition molecules to spur innovative strategies for addressing biological events at unprecedented spatial resolutions, sometimes even in real time and space. This Special Issue aims to showcase cutting-edge research and reviews on nanotechnology-enabled biosensors on topics including, but not limited to, the following:

- New receptor molecules for advanced biosensors;
- Ultrasensitive MEMS/NEMS biosensors;
- Materials and designs of nanomaterials for advanced biosensors;
- Nanotechnology-enabled lab-on-a-chip sensor systems.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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