



DNA Biosensors and Microarrays

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Biosensors are useful tools for solving various tasks in basic research, medicine, point-of-care applications, food, environmental and biological safety, etc. This Special Issue of *Biosensors*, entitled “DNA Biosensors and Microarrays”, aims to serve as a platform to publish the latest advancements in sensors based on DNA probes and for DNA target detection, including microarray approaches. We invite all researchers in this field to contribute their original research articles, short communications, and reviews.

The main topics of this Special Issue are recent advances in the methods for detection (physical, chemical, and biological), sensor architectonics, sensing element construction, sample preparation, and the development of new probes and new target detection methods. Additional topics of interest include, but are not limited to, the following:

- New platforms for biosensors and microarrays;
- Optical, electrochemical, label-free, and other types of biosensors;
- New sensing elements, including aptamers or DNA-based constructions (biologically important secondary and ternary structures, DNA nanostructures).





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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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