

Special Issue

DNA-Based Biosensors

Message from the Guest Editor

I am pleased to invite you to contribute to our Special Issue of the journal *Sensors* on “DNA-based Biosensors”. Biosensors have undergone booming growth in recent decades and play important role on disease diagnosis and improvement of human health. With the easy and robust synthesis of DNA sequences, DNA-based biosensors have been widely used in sensing applications for different targets, including proteins, nucleic acids, ions, nanoparticles, microbes, as well as cells. DNA sequence can be used as a recognition unit, such as aptamers, and can also be used to amplify signals with certain amplification techniques, such as rolling circle amplification and strands replacement amplification. Due to these features of DNA sequences, the biosensors based on DNA have been utilized in disease diagnosis, drug discovery, environmental monitoring, and therapeutics with different functions. For this Special Issue, I invite you to share the new state of the art developments in the field of DNA-based biosensors. The original research or review articles on this topic will be all welcome.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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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