

## Special Issue

# Nanomaterial-Based Biosensors for DNA and RNA Detection

### Message from the Guest Editors

The main topic of this Special Issue is nucleic acid biosensors constructed by integrating several nanomaterials. Biosensors are being actively used in various fields such as the medical, food, and environmental fields. For example, various nucleic acid biomarkers in body fluids have been discovered and utilized for the early diagnosis of numerous diseases. In particular, viral RNA detection systems have been developed and commercialized to minimize infection to other people and the fatality rate of infected patients. Multifunctional nanomaterials have been applied to biosensing systems to improve the performance of sensors, including sensitivity and selectivity. From this point of view, this Special Issue aims to gather original articles and reviews showing research advances, fabrication, innovative applications, new challenges, and future perspectives of nanomaterial-based biosensors for DNA and RNA detection in diverse areas such as the medical area. You are invited to participate in this project. Any contribution in this sense is welcome to this Special Issue.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2023)



## Biosensors

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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.

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