# Special Issue

# Graphene-Based Biosensing

### Message from the Guest Editors

Benefiting from the distinct transduction property, graphene has been viewed as one of the most promising materials for the fabrication of rapid and sensitive sensors for biological quantity detection. However, research into grephene-based sensors are still in their infancy and far from real applications. Therefore, more effort needs to be paid on the following aspects of this field. Firstly, it is critical to have a better understanding of interactions between graphene and varieties of interfaces, molecules, and cells. Secondly, the miniaturization and functionalization of graphene-based sensors should be investigated to facilitate the fabrication of biosensors in arrays. Thirdly, specific detections of the biological sensors are of critical importance to their practical applications. The purpose of this Special Issue is to present the state of recent progress in this field, including the new fabrication methods of graphene, graphene-based sensors, and the various applications of graphene-based sensors. The Special Issue covers various aspects of researches related to graphene-based sensors. We welcome all the submissions relating to recent progress in graphene-based sensors.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 2021)

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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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