

## Special Issue

# Materials and Techniques for Bioanalysis and Biosensing

### Message from the Guest Editor

Bioanalysis and biosensors are ever-evolving subjects, striving for rapid improvement in terms of performance and expanding the target range to meet the enormous societal and market demands. The key performance factors for a biosensor that drive the research are sensitivity, selectivity, accuracy, reproducibility, and response time, with additional requirements of its portability and inexpensive nature. These performance factors are largely governed by the materials and techniques being used in these bioanalytical platforms. The selection of materials to meet these requirements is critical, as their interaction or involvement with the biological recognition elements should initiate or improve these performance factors. The technique discussed primarily applies to transducers involved in converting a biochemical signal to optical or electrical signals. In recent years, the emergence of novel materials and techniques has drastically improved the performance of these bioanalytical systems, enabling them to expand their analytical horizons. This Special Issue offers new perspectives on the recent advance in materials and techniques for bioanalysis and biosensing.

### Guest Editor

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### Deadline for manuscript submissions

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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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