

## Microneedles Biosensors

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### Message from the Guest Editor

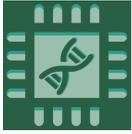
Dear Colleagues,

The current pandemic we are facing around the world signifies the importance of the development of more robust techniques for early-stage diagnosis of pathogens. Accordingly, the synergistic integration of microfluidics with biosensors can significantly increase the portability, sensitivity, and selectivity of such platforms.

This Special Issue of *Biosensors* covers recent advances in the design, fabrication, and characterization of microneedle-based biosensors. Submissions of research and review papers addressing microneedle-based biosensors as well as wearable/flexible microfluidic sensors for point-of-care testing and healthcare monitoring are highly encouraged. Furthermore, this Special Issue will focus on research articles and critical review papers addressing the design and fabrication of microneedle-based biosensors for both ex situ and in situ detection of target analytes using automated lab-on-a-chip platforms. The main topic is related but not limited to:

- microfluidic biosensors
- microneedle-based monitoring
- electrochemical-based microfluidics
- lab-on-a-chip diagnosis
- PCR-based microfluidics
- ELISA-on-a-chip





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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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