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Bioelectronics and Biosensors in Diagnostics, Biotechnology and **Clinical Research: Challenges and Opportunities**

Guest Editors:

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Deadline for manuscript submissions:

closed (20 March 2023)

Message from the Guest Editors

Recent attention has been addressed to novel strategies for lowering the costs of sensitive biosensors fabrication, to customized hardware for ensuring effective conditioning in integrated solutions, and, finally, to advanced signal processing techniques to enhance the performances of the developed platforms from a multi-parametric perspective (e.g., deep learning, multi-sensor networks).

The aim of this Special Issue is to collect the most recent developments in this field, providing a comprehensive picture of the most promising trends and of the open challenges still to be overcome for strengthening the role of biosensors in the study, detection, and control of pathophysiological processes.

Both research papers and review articles covering the following topics are welcome to this Special Issue:

- Biosensors and bioelectronics
- Printed electronics for biosensing
- Biomaterials for biosensors
- Biomarkers detection
- Cell culture monitoring
- Electrochemical sensors
- Non-invasive sensing
- Nanostructured sensors
- Points of care
- Advanced signal processing/machine learning for biotechnology











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Message from the Editor-in-Chief

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