

Special Issue

Advances in Wearable Biosensors for Healthcare Monitoring

Message from the Guest Editors

This Special Issue "Advances in Wearable Biosensors for Healthcare Monitoring", is devoted to all aspects of wearable biosensors, including the novel synthesis of nanomaterials for biosensing, unique designs for wearable biosensors, integration of micro-systems and the key applications in healthcare monitoring. Especially, novel structural designs of wearable biosensors coupled with functional nanomaterials enable a real-time monitoring of health status at both biophysical and biochemical levels. For example, CNTs, Mxenes, and graphene-based biosensors show great advantages for both biophysical (temperature, breathing and heart rate) and biochemical (electrolytes, metabolites, drugs in biofluids) sensing. Meanwhile, the involvement of energy harvesters, microfluidics and digital display can further enhance the practical applications of wearable biosensors for healthcare monitoring. This Special Issue aims to focus on the most recent advances of the wearable biosensors for healthcare monitoring and a wide range of applications is of interest, including point-of-care, therapeutic, and implantable devices.

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Deadline for manuscript submissions

closed (15 October 2024)



Biosensors

an Open Access Journal
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Impact Factor 5.6

CiteScore 9.8

Indexed in PubMed



mdpi.com/si/139959

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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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