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Flexible Biosensors Based on Material Science and Their Healthcare Applications

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Flexible biosensors can be developed as wearable products that provide timely sensing and monitoring of biomarkers of the human body. Especially, wearable sensors detect physiological parameters such as thermal, electrical, chemical, and optical signals in nonlaboratory settings. Additionally, disease diagnosis and predictions are possible through the sensing of various biomarkers such as metabolites, drugs, VOCs, proteins, and nucleic acids from the biofluids. Flexible biosensors are not only used on the human body and can be easily attached and integrated onto 3D surfaces for various sensing purposes.

This Special Issue welcomes both reviews and original research articles. Topics include but are not restricted to wearable sensors, paper-based sensors, semi-implantable sensors, and sensors for in vitro diagnostics/point-of-care testing. Sensing methods include electrochemical, optical, colorimetric, and plasmonic sensing based on flexible materials. We invite and encourage your participation in this Special Issue.

Dr. Ho Sang Jung
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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