Special Issue

Wearable Electronic Technologies for Advanced Biomedical Applications

Message from the Guest Editor

This Special Issue aims to highlight recent advances in the design, fabrication, and application of wearable biomedical electronics, including flexible and stretchable sensors, bioadhesive interfaces, hydrogel- and polymer-based devices, and implantable platforms. We particularly welcome contributions that address challenges in biocompatibility, signal stability, power management, and data integration, as well as studies that demonstrate translational potential in real-world biomedical settings.

This Special Issue topic fits closely with the scope of Sensors, as it brings together cutting-edge developments in sensing materials, device engineering, and system-level integration. By showcasing interdisciplinary research from electronics, materials science, and biomedicine, this Special Issue will provide a timely overview of wearable sensor technologies for advanced biomedical applications and help accelerate their impact in clinical diagnostics, therapeutic monitoring, and personalized healthcare.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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