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Next-Generation Materials for Wearable Sensors

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Message from the Guest Editors

Dear Colleagues,

Wearable technology has revolutionized various sectors, from healthcare and fitness to entertainment and personal safety. Central to this revolution are wearable sensors, devices integrated into textiles or directly attached to the skin to monitor physiological signals, environmental conditions, and user activities. However, the effectiveness and widespread adoption of these devices are heavily dependent on the materials used in their construction. Next-generation materials for wearable sensors promise to address current limitations and open new horizons for functionality, comfort, and durability.

This Special Issue aims to explore the latest advancements in materials science that drive the innovation of wearable sensors. It will cover a broad spectrum of topics, including the synthesis and characterization of novel materials, their integration into wearable devices, and their applications in real-world scenarios. By highlighting cutting-edge research and developments, this Special Issue seeks to foster a deeper understanding of the role of advanced materials in the future of wearable technology.



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Special Issue



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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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