

Special Issue

Wearable and Implantable Bioelectronics for Advanced Biosensing and Human Health Monitoring

Message from the Guest Editors

Recent years have seen remarkable progress in the field of wearable and implantable bioelectronics, with innovations in materials science, microfabrication, and bioengineering driving the development of increasingly sophisticated biosensors. These devices offer unprecedented opportunities for real-time, personalized health monitoring and early disease detection. However, challenges remain in areas such as biocompatibility, long-term stability, power management, and data interpretation. For this Special Issue, we welcome original research papers and comprehensive reviews that address these challenges and showcase cutting-edge developments in wearable and implantable biosensors. By compiling papers from leading experts in materials science, flexible/stretchable electronics, and bioengineering, we will provide a comprehensive overview of the current state-of-the-art in wearable and implantable bioelectronics for health monitoring. We hope that this Special Issue will stimulate further innovation and cross-disciplinary collaboration in this rapidly evolving field.

Guest Editors

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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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