

Special Issue

Advances in Electronic Materials and Medical Technology: Fabrication, Wearables and Disease Applications

Message from the Guest Editors

Recent advances in electronic materials and medical technology have enabled new possibilities in diagnosis, health monitoring, and therapy. Integrating flexible, stretchable, and biocompatible materials has led to wearable technologies interfacing with the human body. These innovations reshape medicine through non-invasive monitoring and personalized interventions. As materials science, biomedical engineering, and electronics converge, there is a need to explore novel material designs, scalable fabrication, and device architectures for biomedical applications. This Special Issue gathers developments in electronic materials and medical technologies, focusing on fabrication strategies, wearable systems, and disease monitoring.

- Novel electronic materials for biomedical applications
- Flexible and stretchable electronics for health monitoring
- Wearable sensors and diagnostic devices
- Biocompatible materials and biointerfaces
- Micro/nano-fabrication for medical devices
- Smart drug delivery systems
- In vivo and in vitro biomedical electronics
- AI-assisted medical sensor systems
- Energy harvesting for wearable electronics
- Integration into clinical environments

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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