

## Special Issue

# Biomedical Electronics and Wearable Systems—2nd Edition

### Message from the Guest Editor

Electronics has become a ubiquitous technology, with new functionalities emerging in all aspects of human life. Apart from smaller integration scales, dense packing, and wider operating characteristics, current electronic technologies allow for developing smarter, more precise, and more reliable systems that provide highly precise diagnostics, personalized therapies. This Special Issue aims to bring together a collection of both original research and review papers in the growing field of novel and innovative biomedical electronics and wearable systems, which show how biosciences and engineering are being used to improve biomedical research and technologies that will have an impact on future disease management. The topics to be addressed include, but are not limited to, non-invasive diagnostics, smart prosthetics and patient-specific devices connected to the neuromuscular system and on-chip processing for smart portable/implantable sensors, wearables for the acquisition of high-resolution biometric data (biological and physiologic signals, etc.), active VLSI implants, neural prostheses, nanomaterials, and tissue–electronic interfaces in implantable systems.

### Guest Editor

Dr. José Machado da Silva

Institute for Systems and Computer Engineering, Technology and Science, Porto, Portugal

### Deadline for manuscript submissions

30 November 2025



## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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