

## Special Issue

# Body Surface Physiological Sensing for Advanced Cardiovascular Healthcare

### Message from the Guest Editors

Cardiovascular healthcare is of global concern and the enabling technologies are undergoing rapid unprecedented changes which have increased the versatility and reliability of ambulatory, or at home, continuous non-invasive long-term monitoring of the heart's rhythm through ECG sensing, and level of cardiac pumping through various plethysmographic sensing techniques. Besides the accelerated progress in medical electronics, in fast wireless connectivity, in advanced medical informatics and in data analytics methods, cardiac biomedical sensors development is offering an opportunity to capture dynamic body-surface physiological parameters in real-time, in noninvasive and continuous mode, by flexible electronics packaging and new materials and technology, for facilitating advanced cardiovascular healthcare. This Special Topic falls within the following scopes of *Sensors*: wearable biosensors; non-invasive physical sensors; wireless connected sensors; signal processing, data fusion, deep learning and artificial intelligence in sensor systems; body surface physiological sensor technology and application; advanced materials for body surface sensing; sensor devices and systems.

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### Guest Editors

Prof. Dr. Omar Escalona

Prof. Dr. Dewar Finlay

Dr. Fernando Soares Schlindwein

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### Deadline for manuscript submissions

closed (30 June 2025)



## Sensors

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*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

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