Special Issue

Data Processing in Biomedical Devices and Sensors

Message from the Guest Editor

Recent advances in biomedical sensors and wearable devices have significantly enhanced the ability to monitor and assess human physiological and behavioral states in real-time. However, raw biomedical signals are often affected by various noise sources, motion artifacts, and individual variability, making accurate and meaningful interpretation a challenge. This Special Issue focuses on innovative data processing techniques—including signal denoising, feature extraction, machine learning, and real-time analytics—that enhance the performance and reliability of biomedical devices. We welcome original research and review papers that contribute to the development of robust algorithms, efficient signal processing methods, and integrated systems for clinical and home healthcare applications.

Guest Editor

Dr. Emi Yuda

1. Innovation Center For Semiconductor And Digital Future, Mie University, Tsu 514-8507, Japan
2. Center for Data-driven Science and Artificial Intelligence Tohoku University, Sendai 980-8579, Japan

Deadline for manuscript submissions

20 August 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/239573

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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