



Applications of Photoplethysmography (PPG) in Healthcare and Wellbeing

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Deadline for manuscript submissions:

closed (20 June 2023)

Message from the Guest Editors

We are inviting submissions to the Special Issue on Applications of PPG in Healthcare and Wellbeing.

https://www.mdpi.com/journal/applsci/special_issues/photopleth

Photoplethysmography is considered a non-obtrusive optical method to detect subcutaneous blood volume variations related to the heart beat. Due to the wide availability of the technique in mobile or wearable smart devices, several applications and a huge amount of data can become accessible for analysis and further decision-making. Besides pulse rate monitoring in high-risk patients or during sport activities, an increasing number of studies are dealing with screening or follow-up in peripheral vascular disease, measuring blood pressure, pulse rate variability or arterial stiffness, and extracting respiratory rate, among others. The signal quality is crucial for the reliability and repeatability of the measurements, hence, the validation must precede commercialization.

This Special Issue is open to original research manuscripts on applications and validation of photoplethysmography, in particular in mobile/wearable electronics.





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Message from the Editor-in-Chief

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.

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