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Novel Clinical Device for Biomedical Engineering

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Message from the Guest Editors

Dear Colleagues,

Most industries have made a quantum leap by applying advanced technologies related to Industry 4.0. This includes the field of medical research. In particular, various biometric data, e.g., images from MRI, CT, X-ray, signals from electromyograms (EGM), electrocardiograms (ECG), sphygmomanometers, etc. are facilitated by advanced analytical techniques. The precise and objective measurement of biometric data has become an essential requirement. However, measuring devices developed so far are complex, invasive and complicated to use in a clinical setting. Therefore, there is a need to develop compact and easy-to-use devices that offer similar user experiences to those presently in clinical use.

This Special Issue focuses on the latest developments in novel clinical devices for biomedical engineering. We invite researchers and clinicians involved in medical science to submit current studies on instrumentation, data analysis, and diagnostic techniques using novel clinical devices.

We hope this Special Issue will be a beneficial and productive medium for the advancement of this field.

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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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