

Special Issue

Biomedical Signal Processing in Healthcare and Disease Diagnosis

Message from the Guest Editors

The research topic of biomedical signal processing has been studied for more than two decades. However, with the rapid advancement of biosensing, IoT, AI, and embedded/edge/cloud computing technologies, it has been shown that there is a need to re-evaluate the effectiveness of conventional methods and/or to develop new biomedical signal processing methods with high validity and reliability for their application in healthcare and disease diagnosis. This Special Issue aims to provide a cross-disciplinary forum for international researchers to share and exchange their research outcomes in biomedical signal processing, with a focus on medical signals and images in clinical practice. We invite researchers to submit original works focusing on the design and/or demonstration of advanced biomedical signal processing methods for healthcare and disease diagnosis, including preprocessing, feature extraction, classification, and prediction. We also solicit papers relating to the development of biomedical signal-actuated healthcare systems. Review articles comparing state-of-the-art biomedical signal processing methods in healthcare and disease diagnosis are also welcome.

Guest Editors

Prof. Dr. Yi-Hung Liu

Dr. Tzyy-Ping Jung

Dr. Chien-Te Wu

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Deadline for manuscript submissions

closed (20 August 2023)



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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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