

Special Issue

Innovative Technologies of Acquiring, Processing, Modeling, or Utilizing Biomedical and Physiological Signals from Biosensing

Message from the Guest Editor

The continuous increase in accessible biosignal acquisition and processing technology have contributed to a significant amount of available data. Continuous data collection through internal or external biosensors through mobile phones, smartwatches, hearables, wristbands, video cameras, and other non-invasive and invasive sensors has provided a valuable volume of information, which needs to be curated, prepared, processed, and modeled for serving various AI application scenarios, including healthcare, sports, smart homes, edutainment, and security, among others. This Special Issue focuses on the research of the biomedical and physiological signals obtained from traditional and innovative sensors, the types of which include, but are not limited to, electric, magnetic, mechanical/kinetic, thermal, chemical, optical, and acoustic, among others. The research objects can be single-modal or multi-modal signals. We welcome findings, studies, and reviews on innovative technologies for acquiring, processing, modeling, and utilizing biosignals. We cherish every piece of new work from our peer scientists and value every piece of information from all areas.

Guest Editor

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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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