

Special Issue

Chemo/Biosensing for Biosignal Processing and Amplification

Message from the Guest Editors

Currently, the latest advances in nanoscience, molecular biology and molecular medicine have placed higher demands on the development of intelligent biosensors. On the one hand, intelligent biosensors support molecular engineering technology as a means to diversify and make their functions intelligent by designing and building devices with logical computing functions, which are applied to solve difficult problems in biomedicine such as life analysis and molecular diagnosis of diseases. On the other hand, the identification and enrichment of target biomolecules are optimized for detection, and the detection signal of the sensor interface is purposefully amplified through signal amplification technology. This Special Issue aims, therefore, to cover the developments in chemo/biosensing for biosignal processing and amplification technologies and their applications in related fields. We kindly invite a wide range of original research and review articles, including, but not limited to, the following topics: analytical chemistry, bioanalytical chemistry, biomedicine, precision diagnostics, pharmaceutical analysis, and environmental monitoring research.

Guest Editors

Prof. Dr. Fengli Qu

Dr. Jin Li

Dr. Yan Zhao

Deadline for manuscript submissions

closed (30 June 2024)



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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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