

Special Issue

Aptasensor for Biomarker Detection: From Design to Applications

Message from the Guest Editor

The determination of specific biomarker proteins in complex biological fluids is essential for the diagnosis of certain diseases. Variations in the concentration of biomarkers are correlated with the infected diseases. Quantitative detection of biomarker proteins from the samples is crucial and challenging. It is common practice to use antibodies as bioreceptors for the quantification of proteins. Aptamers exhibit high affinity, and specificity and are sensitive to several biomarker proteins, which allow for the exploration of the probing of new biomarker proteins. The development of aptamer-based (aptasensor), simple, sensitive, and rapid diagnostic methods for the identification of new biomarkers would be of significant interest to researchers. Thus, this Special Issue 'Aptasensor for Biomarker Detection: From Design to Applications' would be an appropriate platform for you to share your recent research findings on aptasensors for biomarker diagnosis. Authors are invited to submit their manuscripts on the discovery of biomarkers through aptasensors and sensor design for the field of applications.

Guest Editor

Dr. Raja Chinnappan

Department of Biochemistry & Molecular Medicine, Alfaisal University,
Riyadh 11533, Saudi Arabia

Deadline for manuscript submissions

closed (20 March 2024)

Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/139699

Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

[mdpi.com/journal/
biosensors](https://mdpi.com/journal/biosensors)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



[mdpi.com/journal/
biosensors](https://mdpi.com/journal/biosensors)

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.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della
Lastruccia 3, 50019 Sesto Fiorentino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.8 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).

