

Special Issue

Recent Advances in Biosensors for Pharmaceutical Analysis

Message from the Guest Editors

The rapid development of biosensors has made them a critical tool in pharmaceutical research, drug development, and clinical diagnostics. Their core feature lies in integrating biological recognition elements, such as enzymes, antibodies or DNA, with physical or chemical sensors to achieve real-time, highly sensitive detection of drug molecules and their biological effects. In recent years, advancements in nanotechnology, microelectronics and bioengineering have significantly enhanced the sensitivity, specificity and stability of biosensors, enabling their important role in drug screening, drug quality assessment, drug delivery, pharmacokinetics and toxicological studies.

With ongoing advancements in nanotechnology, bioengineering and information technology, biosensors are expected to see broader application and adoption in the future, playing a more significant role, especially in drug development, clinical applications and personalized medicine. This Special Issue, entitled "Recent Advances in Biosensors for Pharmaceutical Analysis", will collect reviews or original research papers on biosensors for pharmaceutical analysis.

Guest Editors

Dr. Wuzhen Qi
Dr. Zhixin Wang
Dr. Xiuli Zhang

Deadline for manuscript submissions

31 December 2026



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 12.1
Indexed in PubMed



mdpi.com/si/219625

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 12.1
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
Laustruccia 3, 50019 Sesto Fiorentino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, 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 20.6 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).