

Special Issue

Application of CRISPR Cas Systems for Biosensing

Message from the Guest Editors

CRISPR, a powerful gene-editing tool, has demonstrated its capability as a powerful recognition element in biosensing. Owing to the high specificity and modularity of CRISPR Cas systems, CRISPR-based biosensing systems have shown promising accuracy and sensitivity for the detection of nucleic acids. The utilization of CRISPR for both electrochemical biosensors and optical biosensors highlights the importance of multi-disciplinary contributions to sensing science as an imminent biosensing area. For this Special Issue, we invite research with different modalities to describe different perspectives on CRISPR-based biosensing systems.

Guest Editors

Prof. Dr. Chung-Chiu Liu

Department of Chemical and Biomolecular Engineering and Electronics Design Center, Case Western Reserve University, Cleveland, OH 44106, USA

Dr. Yifan Dai

Department of Biomedical Engineering, Pratt School of Engineering, Duke University, Durham, NC, USA

Deadline for manuscript submissions

closed (31 December 2022)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/42124

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
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).