

Special Issue

Field-Effect Transistor Biosensors

Message from the Guest Editors

This Special Issue will be devoted to recent developments in the field of silicon field-effect transistor (FET) biosensors. We would like to invite you to participate by submitting your original articles or reviews on your research with FET sensors. Different modes of operation, such as amperometric or potentiometric, can be addressed. A special focus on devices with the capability of being integrated for biosensing applications or contaminant monitoring devices is highly appreciated. All types of detection methods, such as label-free or enzymatic based systems for the detection of various analytes including pH, ions, proteins, and DNA, are acceptable.

Guest Editors

Prof. Dr. Mark A. Reed

School of Engineering & Applied Science, Yale University, 15 Prospect Street, New Haven, CT 06511, USA

Dr. Mathias Wipf

School of Engineering & Applied Science, Yale University, 15 Prospect Street, New Haven, CT 06511, USA

Deadline for manuscript submissions

closed (31 January 2016)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/5379

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).