Special Issue

Fluorescent Biosensors: New Methods, Devices and Important Applications

Message from the Guest Editors

Fluorescence is a type of important signal in biosensors, which is usually highly sensitive. It has been paid significant attention in biotracing (e.g., intracellular protein interaction or location), diagnosis (e.g., pathogen diagnosis for human, livestock, and crops), analytical chemistry (e.g., detection contaminant/chemical in food or environmental samples), and other fields. Fluorescent materials include organic compounds, proteins, inorganic fluorescent materials, etc. Resonance fluorescence, polarization fluorescence, time-resolved fluorescence, and other methods have emerged. This Special Issue focuses on fluorescence biosensing, including (but not limited to) new methods, new devices, important new applications, etc. We invite researchers to share their work on fluorescent biosensors, and original research articles and comprehensive reviews will be considered for publication.

Guest Editors

Prof. Dr. Qi Zhang

National Reference Lab for Agricultural Testing (Biotoxin), Key Lab of Detection for Mycotoxin, Ministry of Agriculture and Rural Affairs PRC, Lab of Quality & Safety Risk Assessment for Oilseeds Products (Wuhan), Ministry of Agriculture and Rural Affairs PRC, Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, Wuhan 430062, China

Dr. Jean Jacques Toulme

Novaptech, 33600 Pessac, France

Dr. Masanobu Iwanaga

National Institute for Materials Science (NIMS), 1-1 Namiki, Tsukuba 305-0044, Japan

Deadline for manuscript submissions

closed (31 August 2024)

Biosensors

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 6.6
Indexed in PubMed

mdpi.com/si/171339

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

mdpi.com/journal/biosensors

Biosensors

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 6.6
Indexed in PubMed

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 (Chemistry, Analytical) / CiteScore - Q1 (Engineering (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).

MDPI