



an Open Access Journal by MDPI

Fluorescence Biosensors 2020

Guest Editor:

Prof. Dr. Jong Il Rhee

School of Chemical Engineering,
Research Center for
Biophotonics, Chonnam National
University, Yong Bong-Ro 77,
GwangJu 61186, Republic of
Korea

Deadline for manuscript
submissions:
closed (31 May 2021)

Message from the Guest Editor

Dear Colleagues,

Fluorescent biosensors are becoming the most extensively studied analytical devices because easy, rapid, highly sensitive, and specific biosensors contribute to advances in medicine, for use in cancer and drug discovery. Fluorescent biosensors can also probe ions, metabolites, and protein biomarkers with great sensitivity. Fluorescent biosensors can be classified according to the type of biorecognition elements, such as enzymes, antibodies, nucleic acids, receptors, and whole cells, and the mode of fluorescence detection, such as fluorescence intensity, fluorescence decay time, ratiometric fluorescence intensity. That is, the main building blocks of fluorescent biosensors are fluorescence emission of organic and inorganic fluorescence materials and immobilization methods of biological elements, where the main challenges are to serve wide fields with an enormous impact on healthcare, agriculture, food, and environmental monitoring. This Special Issue aims to introduce recent progress in the research and application of fluorescent biosensors.



mdpi.com/si/45199

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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))

Contact Us

Biosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biosensors
biosensors@mdpi.com
X@Biosensors_MDPI