



an Open Access Journal by MDPI

Semiconductor Nanomaterials-Based Biosensors and Their Applications

Guest Editor:

Prof. Dr. Jianmin Wu

Department of Chemistry,
Zhejiang University, Hangzhou
310012, China

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editor

Dear Colleagues,

This Special Issue covers a range of topics, from the methods for preparation of semiconductor nanomaterials to their application in biosensor fields. These semiconductor-based sensing materials include semiconductor quantum dots, porous semiconductor, semiconductor nanowires, and 2D and 3D semiconductor microstructures. Manuscripts reporting recent advances on the application of semiconductor nanomaterials in chemical sensors and biosensors, theranostic platforms, microfluidic chips, and biomedical devices are encouraged. The goal of this Special Issue is to publish a range of articles that are useful to a wide readership in the fields of biosensors, biomedical engineering, and clinical diagnosis.

Prof. Dr. Jianmin Wu

Guest Editor



mdpi.com/si/136490

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