

Special Issue

New Advances in Bioimaging and Biosensing Based on Nanomaterials

Message from the Guest Editor

In recent decades, nanomaterials have been developed for different applications, particularly in the fields of biosensing and bioimaging. To understand the biological processes and mechanisms of diseases, novel probes for monitoring important biomarkers and the biological environment can be achieved through bioimaging. Furthermore, the development of biosensors can significantly contribute to disease diagnosis, detection of biomarkers, environmental monitoring, food safety, etc. Different types of nanoproboscopes, from 0-dimensional nanodots and 1-dimensional nanowires to 2-dimensional nanosheets and 3-dimensional nanostructures, have been widely used for biosensing and bioimaging, based on their optical, electrochemical, and magnetic properties. In this Special Issue, we invite authors to submit original research articles and comprehensive reviews in the field of biosensing and bioimaging based on nanomaterials.

Guest Editor

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Deadline for manuscript submissions

31 October 2026



Biosensors

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed



mdpi.com/si/222060

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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.

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