Special Issue

Noble Metal Nanoparticle-Based Nanoplatforms for Biosensors

Message from the Guest Editors

Noble metal nanoparticles, particularly gold, silver, and platinum nanoparticles, are widely employed in diagnosis due to their unique optical and catalytic properties. The customizability of noble metal nanoparticles via mechanisms including aggregation/dispersion and etching endows them with the capability to quantitatively detect analytes from physiological fluids for point-of-care diagnosis of various diseases. This Special Issue is devoted to recent advancements in noble metal nanoparticles, which address the challenge of diagnostic agents. We invite up-to-date manuscripts in engineering and fabrication of noble metal nanoparticles for biomedical applications. This issue will showcase recent developments in chemistry to prepare and modify different noble metal nanoparticles and highlight emerging biosensors.

Guest Editors

Dr. Hongya Geng

Institute of Biopharmaceutical and Health Engineering, Tsinghua Shenzhen International Graduate School, Tsinghua University, Shenzhen 518055, China

Dr. Haipeng Li

Department of Microbiology, Tumor and Cell Biology, Karolinska Institutet, 17165 Stockholm, Sweden

Deadline for manuscript submissions

closed (31 July 2024)



Biosensors

an Open Access Journal by MDPI

Impact Factor 5.6 CiteScore 9.8 Indexed in PubMed



mdpi.com/si/151332

Biosensors
Editorial Office
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 5.6 CiteScore 9.8 Indexed in PubMed



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, Ei Compendex, 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).

