



biosensors



an Open Access Journal by MDPI

Advances in Nanoporous Materials for Biosensing Applications

Guest Editor:

Dr. Beatriz Prieto-Simón

Department of Electronic
Engineering, Universitat Rovira i
Virgili, 43007 Tarragona, Spain

Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editor

Dear Colleagues,

The incorporation of nanoporous materials into the design of biosensors has generated a new class of tools exceeding the analytical performance of their planar counterparts. Their large surface area not only enhances bioreceptor immobilization but also facilitates rapid interaction with the analyte. The possibility of creating various pore architectures and tuning their physical properties, such as pore diameter and depth and porosity, opens a wealth of opportunities for sensing. This Special Issue aims to cover recent advances in the development of biosensors built on nanoporous structures, highlighting the advantages provided by the nanoscale environment and describing future trends in their evolution toward outperforming diagnostics.



mdpi.com/si/76041

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, CAPus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (*Chemistry, Analytical*) / CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Biosensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/biosensors
biosensors@mdpi.com
[X@Biosensors_MDPI](https://twitter.com/Biosensors_MDPI)