Special Issue

Recent Progress of In Vitro and In Vivo NanoBiosensors: From Assays, to Diagnostic

Message from the Guest Editors

In vivo and in vitro biosensors are emerging as promising devices for biomedical research and drug diagnostics as they enable continuous, long-term monitoring of specific target analytes (chemicals or biomolecules) in real biological systems. The association of biosensing systems with nanoparticles has led to great developments in the field. Furthermore, they have boosted sensitivity, selectivity, and reversibility. Therefore, this Special Issue aims to focus on the latest developments in biosensors from in vitro/in vivo assays into diagnostics, offering a platform for this subject that is in line with the scope of this journal. Therefore, articles considered for submission must address the development of new nanobiosensors related to innovative bioreceptors/transducers, new methodologies for diagnosis, and unique applications for in vivo and in vitro conditions. In this Special Issue, the themes involve nanotechnology, theranostics, and diagnostic medical applications, among others. Both original research articles and review articles are welcome.

Guest Editors

Dr. Marita A. Cardoso
Dr. Helena M. R. Gonçalves
Prof. Dr. Paula Martins-Lopes

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Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

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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

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