Special Issue

Optical Sensors for Biological Detection

Message from the Guest Editors

We are pleased to invite contributions to this Special Issue on optical label-free biosensing. This innovative field lies at the intersection of chemistry, optics, biology, nanoscience, engineering, and materials science, and offers new and unique solutions to society's analytical needs. The scope of this Special Issue is broad, ranging from fundamental studies at the proof-of-concept level to novel applications of label-free technologies in relevant scenarios. Our goal is to bring together the latest advancements in consolidated transduction systems (SPR, interferometry, SERS, fiber-based sensors, etc.) while also encouraging contributions on emerging materials and biosensing principles. We welcome full-length research papers, short communications featuring groundbreaking preliminary results or significant findings, as well as review papers that comprehensively cover relevant aspects of optical label-free biosensing.

Guest Editors

Dr. Miguel Avella-Oliver

 Instituto Interuniversitario de Investigación de Reconocimiento Molecular y Desarrollo Tecnológico (IDM), Universitat Politècnica de València, Universitat de València, 46022 Valencia, Spain
 Departamento de Química, Universitat Politècnica de València,

46022 Valencia, Spain

Prof. Dr. Ángel Maguieira

 Instituto Interuniversitario de Investigación de Reconocimiento Molecular y Desarrollo Tecnológico (IDM), Universitat Politècnica de València, Universitat de València, 46022 Valencia, Spain
 Departamento de Química, Universitat Politècnica de València, 46022 Valencia, Spain

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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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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

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