

Special Issue

Feature Issue of Optical and Photonic Biosensors Section - Volume II

Message from the Guest Editors

In recent years, the enabling role of optics and photonics in the field of biosensing has developed rapidly. Optical and photonic biosensors, which are mainly intended for health applications, environmental monitoring, and food/water quality control. The Special Issue will provide a forum for the last research activities on photonic biosensors. Theoretical and experimental papers are solicited in, though they are not limited to, the following areas:

- Micro-photonic chip-based biosensors;
- Fiber-optic biosensors;
- Lab-on-fiber devices;
- Photonic biosensors based on metasurfaces and photonic crystals;
- Optofluidic biosensors;
- Plasmonic biosensors based on surface plasmon resonance, localized surface plasmon resonance, and surface-enhanced Raman scattering;
- Emerging application of photonics in the field of biosensing;
- New materials and physical concepts intended for photonic biosensors;
- Spectroscopy for biosensing;
- High-resolution imaging;
- Super-resolution microscopy;
- Nano-plasmonic biosensor for in vivo and ex vivo analysis;
- Three-dimensional printing for optical biosensor fabrication;
- Novel materials for implantable optical devices.

Guest Editors

Prof. Dr. Francesco Dell'Olio

Dr. Maria Carmen Estévez Alberola

Prof. Dr. Chenzhong Li

Deadline for manuscript submissions

closed (31 October 2023)



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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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