



Photonics-Based Biosensors for Environmental, Food Safety and Biomedical Applications

Guest Editor:

Prof. Dr. Wendy Meulebroeck

Applied Physics and Photonics
Department, Brussels Photonics
B-PHOT, Vrije Universiteit
Brussel, 1050 Brussels, Belgium

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

The goal of this Special Issue is to invite state-of-the-art research papers that deal with any type of photonics-based sensors for the monitoring of the health status of our planet's ecosystem. Additionally, contributions on novel methods or techniques potentially leading to improved photonics-based sensors are welcomed. A preference is given to non-human environmental (air, soils, water) and biological (plants, trees, crops, animals) elements. Keywords include but are not limited to the following: photonics-based sensors, novel methods or techniques, environmental monitoring, soil monitoring, air monitoring, water monitoring, climate changes, remote sensing, noise and light pollution, detection of hazardous materials, agriculture, food monitoring, food processing, veterinary sensors for pet and farm animals, organ-on-a-chip as a replacement of animal models, remote sensing.





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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Biosensors Editorial Office
MDPI, Grosspeteranlage 5
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)