

Special Issue

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

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.

Guest Editor

Prof. Dr. Wendy Meulebroeck

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Deadline for manuscript submissions

closed (30 April 2024)



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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.

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