

Special Issue

Optical and Electrical Nanostructured Sensors for Biochemical, Food and Environmental Applications

Message from the Guest Editors

Thanks to the possibility of nanostructuring materials, we can make sensors and devices compact, with reduced dimensionality and above all with new functionalities. Nanostructuring enhances the characteristics of sensors, such as sensitivity, resolution, response speed, and much more. The progress of micro and nanotechnologies has permitted the realization of entirely new platforms such as Lab-on-Chip and Lab-on-Fiber, which represent miniaturized laboratories on planar substrates or even on optical fibers, which can be employed in real scenarios. These innovative sensors have outclassed traditional sensors in almost all fields of application. In this Special Issue, we would like to focus on biomedical, food, and environmental detection and monitoring. We are glad to receive theoretical and experimental works in the form of original articles or review papers.

Guest Editors

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Dr. Alessio Crescitelli

Dr. Valentina Di Meo

Deadline for manuscript submissions

closed (31 December 2023)



Biosensors

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Impact Factor 5.6
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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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