

Special Issue

Micro/Nano Photonic Devices for Biosensing

Message from the Guest Editor

This Special Issue invites regular research papers, review articles, and short communications that explore the development of micro-/nanophotonic devices for sensing applications in diverse areas, for example, food and drug screening, environmental monitoring, and infectious pathogens detection. Areas of interest include but are not limited to: the advancement of photonic materials, novel fabrication techniques, optical properties, tuning of the optical emission wavelength, surface modification, stability in different environments, conjugation with biomolecules or polymers, the theoretical understanding of materials and biointerfaces, and miniaturized photonic sensing devices. The purpose of this Special Issue is to discuss the challenges around photonic devices for the detection of analytes in different media and the development of new analytical methods, the drawbacks and limitations of current techniques, potential challenges, and possible solutions for the future technologies.

Guest Editor

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Deadline for manuscript submissions

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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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