



Micro/Nano Photonic Devices for Biosensing

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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.





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Editor-in-Chief

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Message from the Editor-in-Chief

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