

Special Issue

Plasmonic Biosensors

Message from the Guest Editor

Plasmonic biosensors have become a topic of high interest for applications in medical diagnostics, drug screening, food quality and safety, environmental protection, biotechnology, and biohazard security due to their intrinsic label-free nature and ability to provide sensitive and specific detection of biomolecules in real-time. This Special Issue invites original contributions relating to plasmonic biosensors, including, but not limited to, novel excitation and wave coupling schemes, microfluidics and microsystems for integrated plasmonic chips, analysis and understanding of the nanoscale effects on surface plasmons, novel materials and related optoelectronic components, and applications of plasmonic biosensors.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2016)



Biosensors

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Impact Factor 5.6
CiteScore 9.8
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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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