



Silicon Photonic Biosensors and Related Applications

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Message from the Guest Editors

Dear Colleagues,

Silicon photonics has emerged as a disruptive optoelectronic device technology with a scaling capability on integration and energy efficiency. While the first field where silicon photonics is established as a key technology is related to short-distance optical communication systems, silicon-based optical biosensors have also made significant progress in recent years. Integrated photonic biosensors based on silicon technology have unique advantages in terms of compactness, and small size, offering early diagnostic tools with better sensitivity, specificity, and reliability. It is my pleasure to invite you to contribute to the Special Issue of *Biosensors* that will be dedicated to “Silicon Photonic Biosensors and Related Applications”.





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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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