

Special Issue

Photonic Biosensing for Point-of-Care Diagnostics Systems

Message from the Guest Editor

The future target is to develop next generation point-of-care (POC) systems based on biosensors, with a stronger efficiency and better resolution in order to enable their use in diseases, such as cancer and cardiovascular diseases, and genetics, for which prevention in the first stages represents the main reason for survival. In this scenario, photonic biosensors have distinct properties and advantages in comparison to other sensing technologies, such as a high sensitivity, short times to results, low volumes to perform the sensing, compactness and high integration level, multi-analyte detection, and portable operation capability. The aim of this Special Issue is to collect original contributions on the advances on photonic biosensors for point-of-care systems, including, but not limited to, new concept devices, functional materials, design, technological processes, experimental testing, and signal processing, as well as their integration at a system level. For more information, please click: mdpi.com/si/36842

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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