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Advances in Optical Sensing for Biomedical and Biotechnological Applications

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Deadline for manuscript
submissions:

closed (30 June 2019)

Message from the Guest Editors

Optical methods are non-invasive tools that have allowed the development of a large number of sensors for quantitatively and qualitatively determining the components of analytes of interest in many fields of application including pharmaceutical research, medical diagnostics, environmental monitoring, agriculture, industry, food safety and security. In the last years, advances in experimental and data analysis techniques have enabled the development of new sensing schemes and devices characterized by superior working parameters (very low detection limit, high specificity and sensitivity) and innovative applicative approaches. The aim of this special issue is to offer an overview of the recent advances in the use of optical methods for biomedical and biotechnological applications. With this aim, original research papers, as well as review articles, will be published to show the diversity of the new developments in these areas and their wide dissemination in these fields.



mdpi.com/si/17400

Special Issue



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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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