

Special Issue

Optical and Photonic Sensors for Biomedical Applications: Advances and Emerging Solutions

Message from the Guest Editors

Optic and photonic technologies are well-established for the design of sensors used in several engineering and physics fields, thanks to their ability to achieve high sensitivity and low system noise through enhanced sensitivity packaging, and other approaches. Their main advantages, such as small size and the possibility to make optimal design for controlling the cross sensitivity of certain quantities (e.g., temperature and strain), make optical and photonic sensors interesting and appreciated solutions, especially for biomedical applications. Indeed, optical and photonic sensors are nowadays widespread in different fields, e.g., for monitoring physiological parameters in minimally invasive therapies and wearable devices, for chemical and biosensing, and many others. This Special Issue aims at gathering scientific contributions focused on the current state-of-the-art of optical sensing systems for biomedical applications, and on valuable advances in the design, fabrication, characterization, and application of novel sensors. For more details, please click: mdpi.com/si/37671

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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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