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# Optical Sensors for Biological and Biomedical Applications

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## Message from the Guest Editor

Optical sensors are based on the principle of light–matter interaction. Depending on the type of sensor, they can measure different properties of light, such as intensity, wavelength, polarization, phase, or frequency. They can also generate light signals using different sources, such as lasers, LEDs, or fluorescent molecules. Optical sensors have biomedical applications for detecting biomarkers and measuring physiological parameters such as blood pressure, oxygen saturation, glucose level, or temperature. They are also used for administering light-based therapies. Optical sensors have significant advantages over other types of sensors: they are non-invasive, biocompatible, versatile, sensitive, accurate, and fast. They can also be portable, implantable, or disposable.

In this Special Issue, the entire scientific community is invited to participate with their contributions addressing topics related to the design, application, improvement, and results of optical sensors for biological and biomedical applications.

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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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