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Editorial Board Members' Collection Series: Photonic Solutions for Healthcare

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submissions:

closed (15 May 2024)

Message from the Guest Editors

The increase in life expectancy has imposed on the scientific community the need to research and design new devices and sensing systems, aiming to promote a better quality of life for citizens. This goal can be achieved, for example, through the discovery of new drugs, systems that enable the detection of diseases at increasingly early stages, or even through systems ensure that citizens live an autonomous and healthier life. Due to their performance characteristics and potential advantages of size, weight, power, and cost, in recent years, there has been an increasing study of photonics technologies for healthcare-focused sensing purposes. This issue aims to collect the latest scientific results and developments in photonic solutions for healthcare, covering innovative sensor configurations, all the associated sensing instrumentation, and emerging applications.

Potential topics include but are not limited to:

- Optical fiber sensors and biosensors
- Point-of care devices
- Wearables biomedical sensors
- Optical sensors in e-Health architectures
- Photonic integrated circuits (PICs) for bioapplications
- Cost-effective, miniaturized, selective, and multiparameter photonic devices



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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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