Special Issue

Biophotonics in Medical, Diagnosis, Health Monitoring, and Environmental Applications

Message from the Guest Editors

Biophotonics is an interdisciplinary field that merges the principles and technologies of photonics with biological systems. This field is driving significant advancements in medical diagnostics, health monitoring, and environmental applications by providing precise and highly sensitive techniques. This Special Issue aims to highlight the latest research and developments of biophotonics in medical, diagnosis, health monitoring, and environmental applications. We invite contributions from researchers in the field, including original research articles and review papers. Topics of interest include, but are not limited to, the following: immunophotonics; neurophotonics; optogenetics; photonics in cardiology; ophthalmic technologies; optical methods for tumor treatment and detection; photonics in surgery; photonic diagnosis and monitoring of diseases; optical fibers and sensors for medical diagnostics and treatment; sports biophotonics and telemetric body function monitoring; LIDAR and spectroscopy; space and extraterrestrial environmental sensing and satellite imaging; photonic for industrial process control and optimization

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peerreviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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