Special Issue

Biophotonics for COVID-19 Diagnosis and Treatment

Message from the Guest Editors

Since beginning in December 2019, the COVID-19 pandemic has spread over the world. The Biophotonics community has rapidly responded with innovative biomedical optics technologies helping in the fight against COVID-19. The purpose of this Special Issue is to highlight these innovative approaches to addressing COVID-19 with Biophotonics. We invite original research articles and state-of-the-art reviews focused on current knowledge and future perspectives of Biophotonics for COVID-19 diagnosis, management, and treatment. The overall goal of the issue is to highlight the versatility of Biophotonics for responding to new health challenges with direct clinical implications. Topics include:

- Innovative Biophotonics technologies helping in the fight against COVID-19
- Optical methods for quantifying the immune response to SARS-CoV-2
- Fast and reliable diagnostic tools
- New optical wearables for COVID-19
- New developments in pulse oximetry
- Diffuse optics for the evaluation of microvascular and endothelial health of different tissues
- Photonics industry responses to COVID-19

Guest Editors

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Prof. Dr. Benjamin L. Miller

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Deadline for manuscript submissions

closed (31 January 2022)

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About the Journal

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 peer-reviewed 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.

Editor-in-Chief

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