

## Special Issue

# Light-Based Technologies and Spectroscopic Techniques for Photo-Sensing and Photoinactivation of Microorganisms, Virus, and Cancer Cells

### Message from the Guest Editors

This Special Issue will focus on the fundamentals and applications of photo-sensing and the photoinactivation of pathogenic microorganisms (bacteria, virus, fungi, etc.) and cancer cells to provide a comprehensive representation of the current research findings and technical developments in the field. Contributions focused on new materials and innovative protocols for applications in cells, animals, plants, foods, human subjects, water, environment quality control and clinical diagnosis are encouraged. This Special Issue covers, but is not limited to, the following topics: laser therapy; photodynamic therapy; photothermal therapy; photoacoustic therapy; multispectral imaging and sensing; fluorescence spectroscopy; LIF, LIBS; FTIR spectroscopy; NIR spectroscopy; Raman spectroscopy; SERS; metal enhanced fluorescence; nanoplasmonic sensor.

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### Guest Editors

Prof. Dr. Anderson R. L. Caires  
Dr. Giorgio S. Senesi  
Dr. Gil Goncalves

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### Deadline for manuscript submissions

closed (1 December 2022)



## Photonics

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*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto:photonics@mdpi.com)

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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.

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### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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