# **Special Issue**

# Optical Sensors for Advanced Biomedical Applications

## Message from the Guest Editors

Over the last few decades, significant achievements have been accomplished in the field of optical sensors, namely in novel detection approaches, biosensing, microfabrication technologies, and integration in biomedical devices, featuring significant advancements in terms of functionality, versatility, and integration capabilities. In this Special Issue, we welcome submissions (review articles, original research papers, and brief communications) contributing to the latest advances and challenges in optical sensors for advanced biomedical applications. Both experimental and simulation studies may be considered, aiming to report research and progress in their integration in the fields of, but not limited to, lab- and organ-on-a-chip devices, sensing and control systems for microfluidics. diagnosis and therapeutics, microfabrication of optical sensor devices, and the modeling and simulation of optical microsystems.

- diagnostics and therapeutics
- integrated optics
- lab-on-a-chip
- microelectronics
- optics
- sensors
- modeling and simulation

### **Guest Editors**

Dr. Susana O. Catarino

Center for Microelectromechanical Systems (CMEMS-UMinho), University of Minho, Campus de Azurém, 4800-058 Guimarães, Portugal

Dr. Graça Minas

Center for Microelectromechanical Systems (CMEMS-UMinho), University of Minho, Campus de Azurém, 4800-058 Guimarães, Portugal

### Deadline for manuscript submissions

10 February 2025



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Photonics MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 photonics@mdpi.com

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## **About the Journal**

## Message from the Editor-in-Chief

#### 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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JCR - Q2 (Optics)

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