

Special Issue

Sensors in Biomedical Optics and Imaging Processing Applications

Message from the Guest Editors

This Special Issue invites original research articles and reviews that report on the design, integration, and rigorous validation of photonic sensors, wearable or implantable devices, advanced microscopy modalities, optical coherence tomography, multimodal spectroscopy, and emerging artificial-intelligence pipelines that enhance the acquisition, reconstruction, and quantitative interpretation of biomedical data. Submissions illustrating clinical or pre-clinical implementation—ranging from early diagnosis and continuous bedside monitoring to robot-assisted, image-guided therapy—are particularly encouraged. Potential topics include but are not limited to:

- biomedical optics
- photonic sensors
- digital image processing
- optical coherence tomography
- artificial intelligence

Guest Editors

Dr. Sofia Zaira Otin Mallada

Department of Applied Physics, University of Zaragoza, Pedro Cerbuna 12, 50009 Zaragoza, Spain

Dr. Francisco Ávila Gómez

Department of Applied Physics, Universidad de Zaragoza, 50009 Zaragoza, Spain

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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