

Special Issue

Optical Techniques for Biomedical Engineering

Message from the Guest Editor

The Bioengineering journal is running a Special Issue titled “Optical Techniques for Biomedical Engineering”. Optical techniques are widely used for biomedical applications, including therapy, imaging, and sensing. With laser optics, biological tissue can be treated with high accuracy and few side effects. Optical imaging techniques such as fluorescence microscopy, multiphoton microscopy, harmonic microscopy, photoacoustic tomography, and optical coherence tomography are also implemented in various biological areas. Moreover, optical sensing has become a solution for measuring physiological parameters such as pulsation, hemoglobin concentration, flow velocity, and so on. This Special Issue aims to explore the research findings and technical developments in biophotonics, and papers on related applications in cells, animals, and human subjects are also encouraged. This Special Issue covers the following topics, including, but not limited to: Laser therapy; Optical coherence tomography; Microscopy; Diffuse and fluorescence tomography; NIR spectroscopy; Photoacoustic tomography; Multispectral imaging and sensing; Biosensors.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/164086

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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 *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

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