



Optical Biomedical Imaging

Guest Editor:

Prof. Dr. Swapan K. Gayen

Department of Physics, City
College of New York, New York,
NY 10031, USA

Deadline for manuscript
submissions:

closed (20 January 2022)

Message from the Guest Editor

Dear Colleagues,

We are inviting submission to this Special Issue on ***Optical Biomedical Imaging***.

This area of research has experienced rapid growth over the last three decades. This growth derives, in part, from light-based modalities being noninvasive, safe, and relatively inexpensive, with diagnostic potential. Interactions with biomedical media may change such salient features as intensity, wavelength, coherence, phase, polarization, and directionality, as well as pulse duration of a beam of light, and thus provide a basis for development of novel imaging modalities. Advances in light sources, detectors, modulation schemes, beam shaping approaches, and numerical algorithms are enabling development of imaging methods for probing diseases in different body organs. Optical coherence tomography has already made a transition to the bedside.

The intent of this Special Issue is to explore where we are and what the future holds in this exciting area of human health related research. To that end, we invite submissions involving new techniques, methods, applications, results, as well as review articles.

Prof. Dr. Swapan K. Gayen
Guest Editor



mdpi.com/si/28898

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci