Special Issue

Advances in Imaging Techniques for Biomedical Applications

Message from the Guest Editors

As a result of a collaboration between physicists, clinicians, biologists, and engineers, we observe the ongoing creation and development of novel methods that find their path to biomedical applications. This is especially evident in the development of imaging methods.

This Special Issue of Applied Sciences solicits original research papers, communications, and review articles on the Advances in Imaging Techniques for Biomedical Applications. The issue will cover a wide range of topics, including but not limited to:

Microscopy techniques;
Interferometric/holography techniques;
Near-infrared spectroscopy;
Phase-sensitive methods;
Photoacoustic imaging;
Nonlinear methods;
Novel contrast mechanics;
Advanced image processing;
Computational corrections;
Tissue excitation methods;
Miniature optical imaging system and probes.

Guest Editors

Dr. Karol Karnowski

1. Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland;
2. School of Engineering, Electrical, Electronic and Computer Engineering, University of Western Australia, Perth, Australia

Dr. Dawid Borycki

Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland

Deadline for manuscript submissions

closed (20 September 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/81723

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)