Special Issue

Biomedical Optics and Imaging: Latest Advances and Prospects

Message from the Guest Editor

Biomedical optical imaging is continuing to grow in many different directions due to the rapid developments of novel devices, methods, and applications. The purpose of this Special Issue is to provide an overview of recent advances and prospects in biomedical optics and imaging. Potential topics include, but are not limited to, novel methods and instrument designs, in vivo imaging and monitoring of human and animal cells, organs and embryos, biomedical optical guidance, detection and characterization of diseases, and quantum and molecular imaging.

Guest Editor

Dr. Vladislav Toronov

Department of Physics, Toronto Metropolitan University, Toronto, ON M5B 2K3, Canada

Deadline for manuscript submissions

20 February 2026



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/226753

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

mdpi.com/journal/

applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



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 multidimensional 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)

