Special Issue

Advanced Materials for Biophotonics Applications (Volume II)

Message from the Guest Editors

Biophotonics is the science of how light interacts with biological objects such as tissues, cells, and organisms. Recently, new materials have played an important role in creating new, exciting areas of biophotonics. It can be noted that progress in materials science has a strong influence on the ever-increasing progress in biophotonics. Thanks to the use of new materials, new biosensors are being created, including implantable ones, optical imaging systems and measuring devices for testing diseases. Another group of materials used in biophotonics research is materials for fabricating tissue phantoms. This area of knowledge and technology continues to develop, and providing us with increasingly perfect tissue phantoms, which have similar parameters to real objects. In addition, advances in the study of optical and structural properties of biological tissues and cells allow for the creation of new materials, with applications not only in biology and medicine, but also in other areas. Thanks to these innovative materials, new devices and biophotonics technologies are emerging.

Guest Editors

Prof. Dr. Malgorzata Szczerska

Department of Metrology and Optoelectronics, Faculty of Electronics, Telecommunications and Informatics, Gdańsk University of Technology, Gdańsk, Poland

Prof. Dr. Valery V. Tuchin

1. Institute of Physics and Science Medical Center, Saratov State University, Saratov, Russia
2. Laboratory of Laser Molecular Imaging and Machine Learning, Tomsk State University, Tomsk, Russia
3. A.N. Bach Institute of Biochemistry, FRC "Fundamentals of Biotechnology", Moscow, Russia

Deadline for manuscript submissions

closed (20 October 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/163426

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)