



an Open Access Journal by MDPI

Advanced Nanomaterials for Electronic and Photonic Applications

Guest Editors:

Dr. George Kenanakis

Institute of Electronic Structure
and Laser, Foundation for
Research and Technology-Hellas,
N. Plastira 100, 70013 Heraklion,
Greece

Dr. Anna Tasolamprou

Institute of Electronic Structure
and Laser, Foundation for
Research and Technology-Hellas,
N. Plastira 100, 70013 Heraklion,
Greece

Deadline for manuscript
submissions:

closed (10 December 2021)

Message from the Guest Editors

Dear Colleagues,

The aim of Special Issue "Advanced Nanomaterials for Electronic and Photonic Applications" is to present the most recent advances in the field of nanomaterials, as well as the devices developed for novel electronic and photonic applications. It covers several chemical or physical fabrication approaches, varying from simple, low-cost green chemistry approaches and biobased protocols, to 3D printing and more accurate and sophisticated techniques. These techniques are adapted for the treatment of polymers, dielectrics, semiconductors, metals, and thin films in order to synthesize advanced nanomaterials and devices, operating in a wide range of frequencies, from microwaves to optics. This provides a very broad range of applications, from everyday use, such as microelectronic devices for antennas, waveguides, adaptors, modulators, filters, electromagnetic and thermal shields, smart phones, and computing devices, to laser components, photovoltaic cells, sensors, and devices for medical applications.

It is our pleasure to invite you to submit review articles, regular research papers, and short communications for this Special Issue.





an Open Access Journal by MDPI

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

Message from the Editorial Board

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.

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)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)