Special Issue

Next-Generation Electronic and Optoelectronic Devices and Materials

Message from the Guest Editors

The development of modern electronic and optoelectronic devices is inextricably linked to the materials used for their production. Existing solutions are constantly being improved, and new challenges are arising. An important topic is the invention of materials that can be mass-produced using inexpensive and energy-efficient production. This Special Issue aims to cover both topics—materials and devices. This Special Issue will focus on the devices' design, architecture, manufacturing, optical, electronic, and thermal properties. It also aims to discuss the current aspects of the theory, design, technology, and characterization of current and new materials. The subjects of interest will be broadband semiconductor materials and structures, thin films, hybrid and dielectric materials, and next-generation materials (such as organic semiconductors, perovskites, and low-dimensional materials).

Guest Editors

Prof. Dr. Jacek Zakrzewski

Department of Applied Physics, Nicolaus Copernicus University in Toruń, 87-100 Toruń, Poland

Prof. Dr. Jerzy Bodzenta

Institute of Physics, Silesian University of Technology, 44-100 Gliwice, Poland

Deadline for manuscript submissions

closed (30 April 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/157666

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)