Special Issue

Photosensitive Materials and Their Applications

Message from the Guest Editors

Photosensitive materials represent a huge variety of materials of both inorganic and organic nature that are capable of changing their structural (chemical and/or physical) properties under light exposure. They are applied to many fields dealing with light exploitation, such as imaging, solar technology, holography, optical data storage, optical sensing, photonics, optical structuring of surface, etc. Depending on their potential application, photosensitive materials can be developed as coatings, films, nanostructures, surface structures, liquid crystal layers and others. This Special Issue focuses on photosensitive materials and their applications. The topics of interest include but are not limited to: Photosensitive materials for optoelectronics;
Photosensitive materials for optical patterning of surfaces;
Holographic recording materials;
Holographic optical elements;
Functionalised photosensitive materials for sensing applications;
Photosensitive hybrid nanostructured materials for sunlight capture;
Photosensitive nanocomposite materials;
Materials for two-photon polymerisation lithography;
Photosensitive materials for application in photonic devices.

Guest Editors

Dr. Tatsiana Mikulchyk

Prof. Dr. Tsvetanka Babeva

Prof. Dr. Izabela Naydenova

Deadline for manuscript submissions

closed (30 April 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/65190

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)