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Photo-Responsive Materials and Devices

Guest Editors:

Prof. Dr. Hiroshi Ono

Department of Electrical
Engineering, Nagaoka University
of Technology, 1603-1
Kamitomioka, Nagaoka 940-
2188, Japan

Prof. Dr. Nobuhiro Kawatsuki

Department of Applied
Chemistry, University of Hyogo,
2167 Shosha, Himeji, Hyogo 671-
2280, Japan

Deadline for manuscript
submissions:

closed (20 July 2022)

Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to the Special Issue on Photo-responsive Materials and Devices.

Photo-responsive materials have the ability to form novel optical devices because of their unique properties, such as photo-induced birefringence, photo-mobility, and nonlinear effects under light illumination. Based on these properties, many kinds of functionalized optical devices have been reported, for example, polarization hologram, anisotropic diffraction grating, and Pancharatnam–Berry phase lens. Since the design flexibility and performance of the optical systems strongly depend on the functions of optical components, the synthesis of new photo-responsive materials and the development of highly functionalized optical devices based on material properties will bring innovations in photonics.

In this Special Issue, we invite submissions related to the photo-reactive materials, such as photopolymer, photosensitive liquid crystal, photoalignment film, and its applications for developing optical devices. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers.



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Special Issue



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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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