

Special Issue

Nonlinear Optical Materials and Phenomena

Message from the Guest Editors

Nonlinear optics is crucial for modern photonics research and applications. It enables progress in laser technology, optical signal processing, quantum optics and many other fields. Inorganic and organic crystals, polymers and various composites are at the heart of these developments. Besides standard high power processes like frequency conversion, also low power optical nonlinearities exhibited by photorefractive crystals, liquid crystal devices, or different polymer compounds receive a wide interest. This Special Issue provides a forum for recent advances in these areas. Submissions are expected on new nonlinear optical materials, both for high power and moderate power applications. We welcome also manuscripts reporting new concepts and devices based on such materials, as well as experimental and theoretical approaches for their optimization. ;

Guest Editors

Prof. Dr. Germano Montemezzani

Department of Physics, University of Lorraine, Laboratoire Matériaux Optiques, Photoniques et Systèmes, CentraleSupélec, 2 Rue Edouard Belin, 57070 Metz, France

Prof. Dr. Marko Zgonik

Department of Physics, University of Ljubljana, Faculty of Mathematics and Physics, Jadranska 19, 1000 Ljubljana, Slovenia, and J. Stefan Institute, Jamova 39, 1000 Ljubljana, Slovenia

Deadline for manuscript submissions

closed (28 February 2019)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/12714

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](https://mdpi.com/journal/applsci)



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)