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. ;

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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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