

Special Issue

Recent Advances in Nonlinear Optics and Nonlinear Optical Materials

Message from the Guest Editors

This Joint Special Issue is sponsored by the conference of "The First National Conference on Nonlinear Optical Technology and Applications" and the journals *Molecules* and *Photonics*. It aims to survey the state-of-the-art aspects of nonlinear optics and nonlinear optical materials, photonics and photonic nanostructures, metamaterials, metasurfaces, plasmonics, and advances in the control of optical fields. This Special Issue welcomes manuscripts on the applications of nonlinear phenomena, nonlinear imaging and manipulation, devices and systems, nonlinear dynamics, photonic devices, polariton condensates, optomechanical systems, etc. We expect to cover a variety of topics, including the following: nonlinear optics laser
nonlinear spectroscopy
optical limiting
photothermal nonlinearity
nanophotonics
plasmonics
quantum photonics
metamaterials
low dimensional materials
nonlinear imaging
frequency conversion
ultrafast switching

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2022)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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