

Recent Advances in Nonlinear Optics and Nonlinear Optical Materials

Guest Editors:

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submissions:**closed (15 May 2022)**

Message from the Guest Editors

Dear Colleagues,

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

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