

Special Issue

Advances in Nonlinear Optics

Message from the Guest Editor

The current Issue covers all aspects of nonlinear optics, including new phenomena, novel devices, advanced materials, and applications. Papers are welcome that describe advances in any aspect of nonlinear optics and its applications particularly in, but not limited to, the following areas:

- Ultrafast all-optical processing;
- Nonlinear waveguides and optical fibers;
- Novel nonlinear materials;
- Nonlinear effects in nanostructures: plasmonics and metamaterials;
- Frequency combs;
- Nonlinear effects in microresonators.
- Terahertz/microwave photonics;
- Nonlinear imaging;
- Optical supercontinuum;
- Soliton and nonlinear localization effects;
- Nonlinear propagation and filamentation;
- Ultrafast dynamics and instabilities;
- Nonlinear quantum effects;
- Nonlinear optics for quantum information;
- Nonlinear topological, non-Hermitian systems;
- Attosecond and extreme nonlinear optics.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 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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