

Special Issue

Nanophotonics Devices and Systems

Message from the Guest Editor

This Special Issue "Nanophotonics Devices and Systems" invites manuscripts that report on the recent advances in nanophotonic devices. Theoretical, numerical, and experimental studies are welcome on topics including, but not limited to, the following:

- Optical micro/nano-sensors and systems;
- Nanophotonics for sensing and biosensing applications;
- Nanophotonics for optoelectronics and data communication;
- Neuromorphic circuits and photonic artificial intelligence;
- Plasmonic nanoparticles and their applications;
- Metamaterials for manipulating light at the nanoscale;
- Quantum dots for photonics applications;
- Nanoscale photonic crystals and their properties;
- Nanoscale waveguides for integrated photonics;
- Nanostructured surfaces for light trapping and enhanced absorption;
- Ultrafast optical phenomena in nanoscale materials;
- Active nanophotonics and their applications in energy harvesting;
- Nonlinear nanophotonics for ultrafast all-optical switching;
- Integrated nanophotonic circuits for quantum information processing;
- Optical antennas for enhanced light-matter interactions;
- Nanophotonic devices and systems for energy conversion, etc.

Guest Editor

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Deadline for manuscript submissions

closed (30 January 2024)



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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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