

## Special Issue

# Nanophotonics and Optoelectronic Physics: Fundamental Insights and Device Applications

### Message from the Guest Editor

The aim of this Special Issue is to showcase cutting-edge research at the intersection of nanophotonics and optoelectronic physics, bridging fundamental light-matter interactions with transformative device applications. We seek to compile pioneering work that provides deep insights into the behavior of light at the nanoscale and leverages these principles for novel photonic and optoelectronic technologies. Topics of interest include, but are not limited to, the following: plasmonics and metamaterials, photonic crystals, 2D material photonics, quantum photonics and light-emitting devices, as well as advanced light-harvesting systems. We particularly encourage submissions on integrated photonics, topological photonics, and nonlinear nanophotonics. Studies focusing on the development of new devices for computing, sensing, communications, and energy conversion are highly welcome. This Special Issue will highlight both theoretical advances and experimental demonstrations that push the boundaries of what is possible in controlling and harnessing light.

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### Guest Editor

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### Deadline for manuscript submissions

31 October 2026



## Photonics

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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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### Editor-in-Chief

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