

# Special Issue

## Integrated Waveguide-Based Photonic Devices

### Message from the Guest Editors

This Special Issue focuses on the state-of-the-art achievements in integrated waveguide-based photonic devices, with a broader aim to present novel material, design methodology, and fabrication techniques as well as cutting-edge applications. We welcome work in any form, including reviews, articles, letters, and viewpoints. Topics of interest include (but are not limited to):

- Low-loss waveguides and high-Q resonators;
- Passive wavelength/mode/power-controlling devices;
- Waveguide-grating couplers and optical I/Os;
- Waveguide-based modulators and detectors;
- On-chip light sources;
- Optoelectronic hybrid and heterogeneous integration;
- Novel waveguide materials and platforms;
- Optical phased arrays and chip-based LiDAR;
- Integrated photonic neural network and parallel computing;
- Integrated quantum photonic devices;
- Integrated mid-infrared photonic devices;
- Optofluidic devices and lab-on-chip systems.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2025)



## 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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