

# Special Issue

## On-Chip Photonics

### Message from the Guest Editor

The on-chip photonics industry has been growing rapidly thanks to the maturity level that chip foundries have reached in fabricating such chips with industrial-level accuracy and mass production. In this Special Issue, we invite authors from various fields to present their recent findings in the area of on-chip photonics applications. Areas of interest may include but are not limited to:

- Co Packaged Optics for telecommunications and optical transceivers;
- Design of novel photonic devices and systems for telecommunication applications;
- Novel software and modeling tools for photonic devices and systems;
- Latest industrial applications and challenges;
- Applications of metasurfaces in industrial applications;
- Recent advances in materials for photonic devices;
- Novel characterization and fabrication methodologies, techniques, and industrial systems;
- Novel devices and systems for sensing applications;
- Machine learning and artificial intelligence applications for photonic devices.

We look forward to receiving your submissions and publishing a high-quality Special Issue that showcases the latest advances in on-chip photonics.

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### Guest Editor

Prof. Dr. Mohamed Swillam

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### Deadline for manuscript submissions

closed (20 April 2024)



## 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

Prof. Dr. Nelson Tansu

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).