

Special Issue

Emerging Photonic Devices, Circuits and Systems

Message from the Guest Editors

The topics of interest for this Issue will comprise of (but will not be limited to) the following:

- Photonic transistors/photonic switches/light valves;
- Optical amplifiers;
- Photonic integrated circuits/ quantum photonic circuits;
- Photonic network on chip;
- Photonic interconnect;
- Plasmonics;
- Novel photonic device structures (laser diodes, LEDs, photovoltaic cells, etc.);
- Display technologies;
- Terahertz photonics;
- Photonic sensors/detectors.

We welcome experimental, numerical, and theoretical works.

Guest Editors

Prof. Dr. Ahmedullah Aziz

Department of Electrical Engineering and Computer Science, The University of Tennessee, Knoxville, TN 37996, USA

Dr. Abhronil Sengupta

School of Electrical Engineering and Computer Science Pennsylvania State University, University Park, PA 16802, USA

Deadline for manuscript submissions

closed (31 August 2021)



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/48350

Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)





Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)



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.

Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

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).