

Special Issue

Optical Systems for Astronomy

Message from the Guest Editors

In the domain of ground-based astronomy, we are approaching the commissioning of three extremely large telescopes and their first-light instruments, but we are also witnessing a number of small missions, which have become possible with new image sensors, robotic mounts and other technologies. We are pleased to announce a Special Issue of *Photonics* on astronomical optics. Since the field is extremely diverse and continually growing, we propose a focus on optical systems developed for astronomy. In this Special Issue, original research articles and reviews are welcome.

Relevant topics include (but are not limited to):

- Ground-based telescopes (including large segmented mirrors);
- Large- and medium-sized spaceborne telescopes and instruments;
- Small space instruments, including CubeSat-scale platforms;
- Spectral and spectropolarimetric instruments for astronomy;
- Integral field spectrometers;
- Adaptive and active optics;
- High-contrast imaging and coronagraphy;
- Wide-field instruments for all-sky surveys;
- Innovative optical elements for astronomy;
- Optical interferometric techniques and instrumentation.

Guest Editors

Dr. Eduard Muslimov

NOVA Optical IR Instrumentation Group, ASTRON, Oude
Hoogeveensedijk 4, 7991 PD Dwingeloo, The Netherlands

Dr. Gennady G. Valyavin

Special Astrophysical Observatory, Russian Academy of Sciences,
Nizhny Arkhyz, Russia

Deadline for manuscript submissions

closed (30 April 2024)



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/122521

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).