

# Special Issue

## Advances in Visual Optics

### Message from the Guest Editors

In the past decade, the field of visual optics has experienced remarkable advancements. With an increasing emphasis on controlling myopia onset and progression, innovative optical modalities for myopia management have emerged. Significant strides have been made in ocular imaging technologies, such as optical coherence tomography (OCT) and adaptive optics, which have greatly improved diagnostic accuracy and treatment planning. Moreover, the integration of big data and artificial intelligence in ophthalmology is showcasing immense potential for furthering the field. This Special Issue of *Photonics* on “Advances in Vision Optics” will focus on, but is not limited to, new optical designs for ophthalmic lenses, refractive and cataract surgeries, myopia control, biomechanics, and the application of big data, machine learning, and deep learning in ophthalmology. We invite submissions that span visual optics, physiological optics, ophthalmology, and ocular imaging, including theoretical, experimental, and clinical studies.

### Guest Editors

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### Deadline for manuscript submissions

24 January 2026



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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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