

Special Issue

Recent Advances in Diffractive Optics

Message from the Guest Editors

This Special Issue aims to publish high-quality papers exploring new properties of known diffractive optical elements and suggesting new types of elements. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Diffraction gratings;
- Microlens application;
- Spiral phase plates action simulation;
- Wavefront and polarization sensors;
- Application of neural networks in optics;
- Spiral microstructures;
- Multi-order diffractive optical elements;
- Diffraction-free beams;
- Vortex beams;

The ITNT-2024 conference, associated with our Special Issue, will provide international platforms for scientists and researchers from all over the world to share their scientific achievements, explore current issues, and exchange new experiences and ideas in the field of information technology and nanotechnology: **The X International Conference and Youth School “Information Technologies and Nanotechnologies” (ITNT-2024)** will be held on May 20-24, 2024 online and offline format, Samara, Russia, <http://itnt-conf.org/>
Looking forward to receiving your contributions.

Guest Editors

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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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