

Special Issue

Diffractive Optics: From Fundamentals to Applications

Message from the Guest Editors

The purpose of this *Photonics* Special Issue, titled “Diffractive Optics: From Fundamentals to Applications”, is to showcase the latest advancements and insights in diffractive optics, spanning from fundamental theoretical models and novel design methodologies to cutting-edge fabrication techniques and diverse applications. We invite contributions that explore new phenomena in light-diffractive element interactions, innovative DOE designs (including metasurfaces and nanostructured devices), tunable or reconfigurable diffractive systems, computational approaches, and the integration of DOEs into functional optical systems and devices. For this Special Issue, both high-quality original research articles and insightful reviews are welcome.

- diffractive optical elements (DOEs)
- metasurfaces and their imaging systems
- computational optics/inverse design
- nanofabrication
- beam shaping/structured light
- optical devices/systems integration

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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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