Special Issue

Innovations in Structured Optical Field: From Fundamentals to Applications

Message from the Guest Editors

Over the past decades, the structured optical field, which is derived by spatially shaping the amplitude, phase and polarization distribution, constantly promotes the development of modern optics. The properties of structured optical field in propagation, focusing and interactions with matters enable wide applications involving metrology, optical tweezers, optical communication and microscopes. Especially in recent years, the development of high-dimensional light field manipulation leads to the novel spatiotemporal and topological properties of structured optical field, which brings new theories and applications to optics and its multidisciplinary field. This Special Issue aims to show the latest theoretical, experimental and applied studies for the structured optical field. The original research articles and reviews are welcome which are related to (but not limited to) the following:

- High-dimensional light field manipulation
- Tightly focusing of structured optical field
- Optical spin–orbital angular momentum interaction
- Optical micro-manipulation
- Topological photonics

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Deadline for manuscript submissions

30 December 2025

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Impact Factor 1.9
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mdpi.com/si/233354

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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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