

Special Issue

New Perspectives in Micro-Nano Optical Design and Manufacturing

Message from the Guest Editors

In recent years, the domain of micro-nano optical design and manufacturing has witnessed remarkable progress, fueled by a surging need for sophisticated optical systems across diverse applications. The advent of innovative materials, groundbreaking fabrication methodologies, and advanced computational frameworks has empowered researchers to venture into uncharted territories of optical engineering. This special issue, "New Perspectives in Micro-Nano Optical Design and Manufacturing" aims to illuminate the cutting-edge research and transformative developments within this vibrant field, emphasizing novel concepts, methodologies, and practical implementations. The focal points of this special issue encompass but extend beyond: Advanced Material, nanofabrication techniques, integrated photonic devices, novel optical systems & applications, structural optimization, metasurface design, Metalens design, etc. We look forward to your contributions that will shape the discourse and drive progress in this exciting frontier of optical science and engineering. Sincerely,

Guest Editors

Dr. Xing Peng
Dr. Shiqing Li
Dr. Xiang Sun

Deadline for manuscript submissions

closed (31 December 2025)



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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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