Special Issue

Photonics Metamaterials: Processing and Applications

Message from the Guest Editors

Over the past two decades, photonic metamaterials have rapidly emerged as a transformative technology with their ability to manipulate light at subwavelength scales, having the unique ability to manipulate electromagnetic waves in ways not possible with conventional materials. These unique features make metamaterials suitable for a wide range of applications, such as including imaging, sensing, and energy harvesting. The versatility of metamaterials enables the design of novel devices with unprecedented performance, offering opportunities for breakthroughs in both fundamental research and practical applications. In this Special Issue, we aim to highlight recent advances in the processing techniques, manufacturing methods, and real-world applications of photonic metamaterials, pushing the boundaries of fundamental research and industrial application. We welcome original research articles, comprehensive reviews, and case studies from researchers, academicians, and industry experts.

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Deadline for manuscript submissions

30 September 2025

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Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/220580

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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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