Special Issue

Emerging Trends in Metamaterials and Metasurfaces Research

Message from the Guest Editors

The objective of this Special Issue is to showcase the most current developments in metamaterial design and applications, with a focus on configurations offering advanced properties, versatile functionalities and intriguing applications. We invite you to submit a research paper on the theoretical aspects and/or practical applications of artificially structured media in this Special Issue of *Photonics* entitled "Emerging Trends in Metamaterials and Metasurfaces Research". We welcome submissions on topics that include (but not limited to) emerging trends on :

- Nonlinear metamaterials and metasurfaces;
- Reconfigurable and programmable (smart) metamaterials and metasurfaces;
- Spacetime-modulated structures;
- Metamaterials and metasurfaces for enhanced imaging capabilities;
- Active metamaterials and metasurfaces;
- Metamaterials and metasurfaces for biomedical applications;
- Metamaterials and metasurfaces for wavefront control;
- Topological metamaterials and metasurfaces;
- Extreme wave phenomena in metamaterials and metasurfaces
- Metamaterial antennas and sensors.

Guest Editors

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Deadline for manuscript submissions

10 September 2025

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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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