Special Issue

Recent Advances in Optical Metamaterials and Metasurfaces

Message from the Guest Editors

Although man-made composite electromagnetic materials have been studied for more than one-hundred years, it was not until the beginning of the 21st century that the term “metamaterials” became a part of the photonics nomenclature. This Special Issue invites manuscripts that introduce recent advances in the area of “Optical Metamaterials and Metasurfaces”. All theoretical, numerical, and experimental papers are accepted. Topics include, but are not limited to, the following:

- Reconfigurable and programmable metamaterials and metasurfaces;
- Quantum and superconducting metamaterials;
- Metamaterials for nanoelectronics, nanophotonics and nanoantennas;
- Nonlinear metamaterials and metasurfaces;
- Tunable metamaterials and metasurfaces;
- Space–time modulated metamaterials;
- Chiral, toroidal and magneto-optic metamaterials;
- Nonreciprocal and topological metamaterials;
- 2D materials and metamaterials;
- Analytical and numerical modeling of metamaterials and metasurfaces;
- Fabrication and experimental characterization of metamaterials.

Guest Editors

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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.

Editor-in-Chief

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