Special Issue

Advanced Metamaterials and Metadevices

Message from the Guest Editor

Prominent progress in the development of integrated all-optical and optoelectronic instruments based on 3D and quasi-infinite photonic and plasmonic metastructures has entered a new level in recent years due to possessing intriguing properties and having an undeniable role in the implementation of modern applications in diverse fields, including but not limited to medical diagnostics and label-free genetic analysis, cellular level imaging, astronomy, security and military, nondestructive quality control, high-bandwidth communication, and advanced computational systems. Driven by the ongoing race to augment both responsivity and efficiency of photonic tools, researchers are now able to devise on-chip instruments in unique architectures. Keeping the progresses, challenges, and prospects in mind, this Special Issue of Photonics entitled “Advanced Metamaterials and Metadevices” focuses on fundamental and applied research in the field of metamaterials and associating devices in order to develop efficient, responsive, and integrated photonic and plasmonic metadevices.

- plasmonics
- nanophotonics
- metamaterials
- metadevices
- nonlinear optics
- metasensors
- plexcitonics

Guest Editor

Dr. Arash Ahmadivand
Metamaterial Technologies Inc., Pleasanton, CA 94588, USA

Deadline for manuscript submissions

closed (31 July 2021)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/60022

Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

mdpi.com/journal/photonics

MDPI

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/journal/photonics

MDPI

About the Journal

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

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).