



Optical and Photonic Devices: From Design to Nanofabrication

Guest Editors:

Dr. Wenbo Mao

Department of Electrical and
Systems Engineering,
Washington University in St.
Louis 1 Brookings Drive, St. Louis
63130, MO, USA

Dr. Zhenzhong Hao

School of Physics, Nankai
University, 94 Weijin Road,
Tianjin 300071, China

Deadline for manuscript
submissions:

28 February 2025

Message from the Guest Editors

In recent decades, with the development of advanced design and nanofabrication technology, optical and photonic devices have catalyzed revolutionary progress in scientific and industrial research.

We are pleased to invite contributions to this Special Issue entitled “Optical and Photonic Devices: From Design to Nanofabrication”, which aims to highlight recent progress for optical/photonic devices. Both original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Photonic integrated circuits, including diverse material platforms and intriguing applications;
- Nanodevices in photonics, such as metamaterials, photonic crystals, and nanoplasmonic structures;
- Two-dimensional (2D) or thin-film materials in optics or photonics;
- Hybrid or heterogenous photonic integration techniques;
- Advanced manufacturing technologies or instruments;
- Inverse design or optimization algorithms for optics or photonics;
- Optical components for augmented reality, virtual reality, and mixed reality.

