

Special Issue

Emerging Trends in Photonic Crystals

Message from the Guest Editor

Over the last three decades, photonic crystals (PhCs) have garnered significant interest due to their broad applicative potential in optics and photonics. Generally, these structures can be fabricated *via* either “top-down” lithographic or “bottom-up” self-assembly approaches. These self-assembly approaches have attracted particular attention due to their low cost, simple fabrication processes, relative convenience regarding scalability, and the ease of creating complex structures with nanometer precision. In this Special Issue, we would like to focus on the emerging trends in PhCs. These include, but are not limited to, the simulation of novel photonic crystal structures, new approaches to the fabrication of PhCs, and the wide novel application of these PhCs.

- photonic crystals
- self-assembly
- sensing
- display
- biomedical engineering
- energy harvesting

Guest Editor

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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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