



## Photonic Crystals and Their Applications

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Deadline for manuscript  
submissions:

**closed (31 March 2021)**

### Message from the Guest Editors

We invite researchers to contribute to the Special Issue on “Photonic Crystals and Their Applications”, which is intended to serve as a unique multidisciplinary forum covering broad aspects of the science, technology, and application of artificially structured photonic bandgap materials. The potential topics include, but are not limited to:

- Design and simulation of novel photonic structures and nanophotonic devices;
- Fabrication of novel photonic micro- and nanostructures;
- Characterization of photonic crystal structures by angle-resolved light scattering techniques and other advanced techniques;
- Exploitation of the remarkable properties of photonic bandgap materials in various emerging applications.

### Keywords:

- photonic crystals
- quantum photonics
- waveguide
- optical resonance cavity
- cavity quantum electrodynamics
- direct laser writing
- two-photon lithography
- nanofabrication
- E-beam lithography
- focused ion beam milling
- interference lithography
- Fourier imaging spectroscopy





## Editor-in-Chief

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## Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

*Crystals* is a good platform for dissemination of knowledge in this area.

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