



crystals



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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



mdpi.com/si/43887

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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