Special Issue

Photonic Crystal Fiber

Message from the Guest Editor

The conventional optical fibers had a lasting impact on the socio-economic advance around the globe. However, there is limited prospect for further improvement. The emergence of photonic crystal fibers (PCFs) have raised the hopes for a new leap beyond what is currently possible. Today, PCFs had been applied in a wide range of avenues, including optical communications, optical amplifiers, lasers, nonlinear optics, ultra-high power transmission, sensing, and many more. This special issue aims to contribute meaningfully to a large body of existing work in the field in a way pointing to resources that are novel, scientifically intriguing, or technologically relevant. It is encouraged to submit papers on the topics including but not limited to ultra-low-loss transmission, quantum communications, new light sources and amplifiers, gyroscopes, resonators, basic optical toolbox elements, plasmonics, metamaterials, and high-resolution imaging and detection.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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