Special Issue

Recent Advances in Photonic Crystal and Optical Devices

Message from the Guest Editors

I am gratified to welcome you to submit your valuable work for a Special Issue of the journal *Crystals* on "Recent Advances in Photonic Crystal and Optical Devices". Photonic crystals (PhCs) have been the subject of numerous investigations since the original work of Yablonovitch and John. Due to their exceptional attributes, the potential applications of PhCs are highly prospective, ranging from gas sensing to optical filters, photonic papers, optical logic gates, lasers, inkless printing, and reflective flat displays. In recent years, the development of optical devices based on PhCs is taking place at a rapid pace. These devices can be utilized in various attention-grabbing applications, such as monitoring/sensing of temperature, proximity, pressure, light, ultrasonic, chemicals, etc. This Special Issue will cover new developments and recent advances in the design, fabrication, and performance evaluation of PhC-based optical devices. Original research work, letters, and review papers based on theoretical, numerical, and experimental data are welcome in this Special Issue.

Guest Editors

Dr. Muhammad Ali Butt

Institute of Microelectronics and Optoelectronics, Warsaw University of Technology, 00-662 Warsaw, Poland

Prof. Dr. Svetlana Nikolaevna Khonina

1. IPSI RAS-Branch of the FSRC "Crystallography and Photonics" RAS, Molodogvardeyskaya 151, 443001 Samara, Russia
2. Department of Technical Cybernetics, Samara National Research University, 443086 Samara, Russia

Deadline for manuscript submissions

closed (20 April 2024)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/101319

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

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About the Journal

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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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