



crystals



an Open Access Journal by MDPI

Photonic and Phononic Crystals

Guest Editors:

Prof. Dr. Arafa H. Aly

TH-PPM Group, Physics
Department, Faculty of Science,
Beni-Suef University, Beni-Suef
62521, Egypt

Prof. Dr. Muhammad Maqbool

Department of Clinical &
Diagnostic Sciences, The
University of Alabama at
Birmingham, Birmingham, AL
35294, USA

Deadline for manuscript
submissions:

closed (1 September 2022)

Message from the Guest Editors

In recent decades, photonic and phononic structures have attracted worldwide research attention due to their unique electromagnetic and mechanical properties and applications in the field of medical diagnostic, engineering optics, food safety testing, biochemical analysis, and environmental monitoring. These structures provide a powerful platform for designing photonic and phononic devices which can find a diverse range of optical, acoustical, and technological applications owing to their tremendous ability to manipulate different parameters to electromagnetic and mechanical waves.

This Special Issue "Photonic and Phononic Crystals" aims to present a collection of original research articles, review papers, communication and perspective that will provide researchers worldwide with an overview of the latest trends and progress in this research field.



mdpi.com/si/108256

Special Issue



crystals



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, PI, Italy

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [Ei Compendex](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)

Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
[X@Crystals_MDPI](https://twitter.com/Crystals_MDPI)