Special Issue

Research Progress of Crystalline Metamaterials

Message from the Guest Editor

A metamaterial is any substance that has been designed to possess a characteristic that is exceptional in naturally existing materials.

The primary cause of metamaterials' great interest is their remarkable effect on light traveling through them. Metamaterial technology has the potential to be advantageous to almost every research field currently in development due to its unique acoustical, electromagnetic, optical, and mechanical properties. Even though crystalline metamaterials have a subwavelength spatial scale, which often entails ignoring their structure, they can nonetheless acquire complicated foreign features due to multiple scattering. In addition, this material may contribute to the unique importance of resonant multiple scattering in prompting novel and intriguing features, namely topological characteristics, at the deep subwavelength scale.

The purpose of this Special Issue is to provide a platform for recent developments in the fields of crystalline metamaterials theory, numerical modeling, experiments, and current work in coding and conventional metamaterials-based applications.

Guest Editor

Prof. Dr. Mohammad Rashed Iqbal Faruque
Space Science Centre (ANGKASA), Institute of Climate Change (IPI), Research Complex Building, Level 2 & 3, Universiti Kebangsaan Malaysia, 43600 UKM, Bangi, Malaysia

Deadline for manuscript submissions

10 February 2026

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/205554

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

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)