Special Issue

Advances in Topological Metamaterials and Devices

Message from the Guest Editors

Topological physics is a rising field of research that has enriched the possible ways of achieving novel light control. Electromagnetic wave propagation empowered by topological charges is robust against fabrication defects and disorders in optical media. It thus serves as an important element in integrated photonics and on-chip devices to increase energy efficiency. This Special Issue encourages the submission of general photonics research on topological materials, metamaterials, photonic crystals, membrane devices, silicon photonics, etc. This collection will showcase a wide range of photonic research activities with a connection to topological concepts such as topological invariants, Berry phase, polarization singularities, exceptional points, and catastrophes.

Guest Editors

Dr. Dongyang Wang
Optoelectronics Research Centre, University of Southampton, Southampton SO17 1BJ, UK

Dr. Quanlong Yang
School of Physics, Central South University, Changsha 410083, China

Deadline for manuscript submissions

closed (31 May 2025)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/222741

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

MDPI

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)