



crystals

an Open Access Journal by MDPI



Advances of Nematic Liquid Crystals

Guest Editor:

Dr. Hao Wang

Advanced Materials and Liquid
Crystal Institute, Kent State
University, Kent, OH 44242, USA

Deadline for manuscript
submissions:

closed (20 January 2024)

Message from the Guest Editor

The aim of this forthcoming Special Issue is to expand our knowledge about the advancement of nematic liquid crystals (NLCs). NLCs are a state of matter that exhibits both crystal and liquid properties. They can change shape as a liquid but still maintain a preferred molecular alignment, thereby showing long-range orientational and/or positional correlations. NLCs are composed of organic, rod-like, disk-like, or lath-like molecules which possess the optical and electrical properties of crystals under certain conditions. NLCs can also adopt chirality by adding chiral dopants.

As NLCs have boomed in recent years, more research results are coming, and we invite you to present your research in a timely and rigorous process publishing process. A research article, review, short communication, or perspective on this Special Issue is sincerely welcomed for submission to the journal of *Crystals*.



mdpi.com/si/180442

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 *Crystal*, 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 *Crystal*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the crystal, 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](#), [CAPus / SciFinder](#), and [other databases](#).

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

Contact Us

Crystals
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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