

Special Issue

Nematic Liquid Crystals

Message from the Guest Editors

Due to their extraordinary physical properties liquid crystals (LCs) are of interest to a broad community of scientists and engineers. Although LCs are usually associated with display technology, they also have novel applications in a range of areas, including organic photovoltaics, sensing, pharmacy, and medicine. The simplest, and the most commonly used liquid crystalline state is the nematic phase (N), where the molecules are randomly positioned and oriented in a single direction. A special form of the nematic phase is the cholesteric phase composed of chiral molecules forming a helical superstructure. The aim of this Special Issue is to combine the papers reporting fundamental and applied research related to nematic liquid crystals. The topics summarized under the keywords should be considered only as examples. The volume is open for any advanced topics in the field of nematic liquid crystals.

Guest Editors

Dr. Małgorzata Jasiurkowska-Delaporte

Institute of Nuclear Physics, Polish Academy of Sciences, 31-342 Kraków, Poland

Dr. Łukasz Kolek

Department of Material Science, Rzeszow University of Technology, Rzeszów, Poland

Deadline for manuscript submissions

closed (31 October 2020)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.2



mdpi.com/si/34962

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

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





Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.2



[mdpi.com/journal/
crystals](https://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, CAPIus / SciFinder, and other databases.

Journal Rank:

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