Special Issue

Advances in Nematic Liquid Crystals

Message from the Guest Editors

In the field of soft matter self-organization studies the investigations of nematic liquid crystals have provided valuable contributions during the last several decades. Nowadays, this is still a very open field. This Special Issue will collect selected contributions shining light on current studies of nematic phase based materials, indicating new paths for soft matter engineering. Topics for the issue will include the following:

- Structure–property relationships in nematic phase
- New nematogenic species
- Nematics for out of visible applications (NIR, IR, THz, GHz)
- High birefringence nematic liquid crystals
- Twist-bend nematogens
- Bend-core nematics and biaxial nematic phases
- Dual frequency driven nematic
- Nanoparticle doped nematic phase
- Polymer dispersed nematic liquid crystals
- Confined structures of nematic liquid crystals
- Chiral dopants and chiral nematic materials

Guest Editors

Dr. Wiktor Piecek

Military University of Technology, Faculty of Advanced Technologies and Chemistry, Warsaw, Poland

Prof. Dr. Przemysław Kula

Faculty of Advanced Materials and Chemistry, Military University of Technology, Warsaw, Poland

Deadline for manuscript submissions

closed (30 June 2019)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/17680

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)