

Special Issue

New Trends in Lyotropic Liquid Crystals

Message from the Guest Editors

In this special issue, we invite colleagues to submit papers exploring the different aspects of the physico-chemical properties of lyotropic liquid crystals. The potential topics include, but are not limited to:

- New lyotropic mixtures
- Property characterization (structure, linear and nonlinear optics, etc.)
- Chromonic lyotropic liquid crystals
- Chemical stability of lyotropic mixtures
- Inorganic and colloidal lyotropic liquid crystals
- Defects in lyotropic mesophases
- Elasticity in lyotropic structures
- Biaxial and uniaxial nematic phases
- Applications of lyotropics
- Interface with biological and biomedical research
- Lyotropic inorganic liquid crystals
- Lyotropic phases from colloidal nanoparticles

Guest Editors

Prof. Dr. Antonio Martins Figueiredo Neto

Institute of Physics, University of São Paulo, Rua do Matão Nr.1371 CEP 05508-090 Cidade Universitária, São Paulo, Brazil

Dr. Ingo Dierking

Department of Physics and Astronomy, The University of Manchester, Oxford Road, Manchester, UK

Deadline for manuscript submissions

closed (30 June 2020)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/13996

Crystals
Editorial Office
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 5.0



[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, Ei Compendex, CAPus / SciFinder, and other databases.

Journal Rank:

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