



New Trends in Lyotropic Liquid Crystals

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, University of
Manchester, Oxford Road,
Manchester M139PL, UK

Deadline for manuscript
submissions:

closed (30 June 2020)

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





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 *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.

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)

Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/crystals
crystals@mdpi.com
[X@Crystals_MDPI](#)