

## Topical Collection

# Liquid Crystals and Their Applications

### Message from the Collection Editors

Liquid crystals (LCs) have become an important part of our daily life and are widely known, for example, due to their application in display technology. New areas of application continue to be discovered due to important improvements, such as in organic synthesis. Given this, this Topical Collection will explore the progress made in LCs in several fields, namely chemistry, physics, engineering, optics, material science and biology, in recent years. Our aim is to encourage scientists to publish their theoretical, experimental and computational research in this open access peer-reviewed Topical Collection of *Crystals*, “Liquid Crystals and Their Applications”. This volume aims to enrich the collective knowledge in the liquid crystal field with a commitment to sustainability. We would be delighted to feature your work and welcome contributions of original research articles, reviews and perspectives.

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### Collection Editors

Dr. Ana Almeida

Prof. Dr. Pedro Marques de Almeida

Dr. Ana Catarina Baptista

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## Crystals

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## 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.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli  
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