Special Issue

Current Advances in Liquid Crystals

Message from the Guest Editor

The liquid crystals (LCs) has attracted the broad attention since the discovery of liquid crystal phase by the Austrian botanist Friedrich Reinitzer in 1888. LC phases combine the material properties of crystals with the flow properties of liquids. As such, they have provided the foundation for a revolution in the low-power, flat-panel display technology known as LCD. Interestingly enough, many diversified, chemical-structural architectures (rod-shaped, disc-shaped, and bent-shaped) exhibit various types of LC phases. They have many technogical applications because of their chemical diversities and types of LC phases.

Therefore, we invite researchers to submit their articles and reviews to this Special Issue. Manuscripts can be related to any aspect of liquid crystals, such as (but not limited to): Synthesis of novel LCs; Structure–property–application of LCs; Novel types of LCs; Applications of LCs in devices; Biological applications of LCs; Physical properties of LCs; Computer simulations of the phase behaviour of LCs; Theoretical models of LCs...

Guest Editor

Prof. Dr. Pradip K. Bhowmik

Department of Chemistry and Biochemistry, University of Nevada Las Vegas, 4505 S. Maryland Parkway, Box 454003, Las Vegas, NV 89154, USA

Deadline for manuscript submissions

closed (31 August 2020)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/27482

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

mdpi.com/journal/molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

