



crystals



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Self-Assembly in Liquid Crystalline Materials

Guest Editors:

Prof. Dr. Chenhui Peng

Department of Physics and
Materials Science, University of
Memphis, Memphis, TN, USA

Prof. Dr. Dmitry A. Bedrov

Department of Materials Science
& Engineering, University of Utah,
Salt Lake City, UT 84112, USA

Prof. Dr. Shuang Zhou

Physics Department, University of
Massachusetts, Amherst, MA
01003, USA

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Message from the Guest Editors

Self-assembly is ubiquitous in nature, and biosystems are destined to have their own biological functions through the spontaneous assembly of molecular building blocks. Studying self-assembly will not only help us to gain a better understanding of the biological world but also shed light on designing and controlling building blocks such as DNA, fatty acid, and peptides to self-assemble into desired superstructures for bionanomaterial applications. These have attracted a great deal of interest in recent years to study self-assembly behavior in liquid crystalline materials. Thus, a whole new realm of phenomena and physics have been discovered, such as active nematics of self-assembly of non-equilibrium biological entities, programable liquid crystalline elastomers, directed micro/nanoparticles in various liquid crystalline materials, etc. It is expected that in the near future, research in self-assembly in liquid crystalline materials will find broad applications in material science, biology, and medicine. We invite colleagues to submit papers exploring the different aspects of self-assembly in liquid crystalline materials.



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Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, 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.

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Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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