Special Issue

Research on Crystallization of Biomacromolecules

Message from the Guest Editors

The crystallization of biomolecules is crucial in establishing modern biochemistry and biology. Over the past few decades, the use of X-ray crystallography to determine the three-dimensional structures of biomolecules has provided strong support for the advancement of life sciences as well as the development of AlphaFold. With the breakthroughs in fermentation technology, crystallization, as an efficient and low-cost purification method, has also garnered significant attention in the field of biomacromolecule purification. Furthermore, crystallization has emerged as a powerful strategy in regulating the structure and physicochemical properties of biomaterials to meet specific therapeutic requirements.

Recent advancements in techniques have greatly expanded the possibilities for obtaining crystals with desired quality. Moreover, computational methods are increasingly being employed to predict potential crystallization conditions, offering a complementary approach to experimental crystallization.

We welcome contributions that highlight the challenges and triumphs in this field, as well as those that propose new strategies for enhancing biomolecular crystallization.

Guest Editors

Dr. Xiaoxi Yu

State Key Laboratory of Heavy Oil Processing, School of Chemistry and Chemical Engineering, China University of Petroleum (East China), Qingdao 266580, China

Dr. Rocco Caliandro

Institute of Crystallography, National Research Council of Italy, Via Amendola 122/O, 70126 Bari, Italy

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

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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.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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