Special Issue

New Perspectives in Pharmaceutical Crystallization and Possibilities of Analysis of the Obtained Crystals

Message from the Guest Editors

Pharmaceutical crystallization processes can be developed to explore continuous manufacturing in the pharmaceutical industry and are one of many methods to obtain and analyse the physical and chemical properties of crystals.
Pharmaceutical crystallization is an important technology within pharmaceutical processes and can be used to determine numerous product properties in the solid–liquid separation process, which is not only a separation and purification process but also a refining process. By using pharmaceutical crystallization processes, we can obtain co-crystals too, which are crystalline complexes of active/neutral compounds. Co-crystallization determine the preservation of the intrinsic pharmacological properties of the active ingredients such as the melting point, solubility, and dissolution. Drug–drug co-crystals represent a promising line of research in given that combined therapies are frequently prescribed for the effective treatment of numerous pathologies, meaning the co-crystals of multiple active compounds might overcome the drawbacks of conventionally combined drugs.

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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

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