

Special Issue

Advances in Pharmaceutical Crystals: Numerical Simulations and Experimental Investigations

Message from the Guest Editor

The solid-state form of an active pharmaceutical ingredient, particularly its crystalline structure, is a critical determinant of drug product performance, influencing key properties such as solubility, stability, bioavailability, and manufacturability. Understanding and controlling crystallization processes and final crystal forms are therefore paramount in pharmaceutical development. This Special Issue aims to compile high-quality original research and review articles that highlight recent progress at the intersection of computational and experimental studies of pharmaceutical crystals.

Guest Editor

Prof. Dr. Jasna Prlić Kardum

Department of Mechanical and Thermal Process Engineering, Faculty of Chemical Engineering and Technology, University of Zagreb, Trg Marka Marulića 19, 10000 Zagreb, Croatia

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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 crystal, 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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