Special Issue

Polymorphism in Crystals (2nd Edition)

Message from the Guest Editor

Polymorphism, the property of a compound to crystallize in more than one distinct crystal form, plays an indispensable role in researching and developing pharmaceuticals, agrochemicals, materials, and food. Polymorphs exhibit different properties, such as crystal habit, solubility, dissolution rate, melting point, stability, mechanical properties, and even bioavailability, which may influence product quality. Therefore, studying polymorph behavior can provide a theoretical basis for selecting optimal solid forms and aid in the polymorphic control and optimization of products. Recently, significant progress has been made in the experimental discovery and theoretical prediction of crystal polymorphs. Indeed, many molecules have been discovered to have polymorphs, mainly attributed to the molecule's conformational flexibility and the existence of various functionalities allowing the molecule to act as a hydrogen bond donor/acceptor. In addition to conventional solution crystallization, more polymorphisms have been found in melt, confinement, and the presence of ultrasound/lasers.

Guest Editor

Dr. Xin Huang

1. School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China
2. National Engineering Research Center of Industrial Crystallization Technology, Tianjin University, Tianjin 300072, China

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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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