

Special Issue

Heterocyclic Organic Compounds: Crystal Structure and Their Properties

Message from the Guest Editors

The significance of heterocyclic compounds extends beyond mere chemical structures into the realms of materials science, pharmaceuticals, and agrochemicals. Several heterocyclic compounds serve as the key building blocks for numerous natural products, drug discovery, pharmaceuticals, and functional materials. Various techniques exist to determine the structure of heterocyclic compounds. However, crystal structures provide complete information about the structure and orientation of molecules, including stereochemistry. This technique also yields crucial insights into their stability, reactivity, packing arrangements, bond lengths, angles, and intermolecular interactions. Consequently, crystallographic studies play an instrumental role in designing the next generation of heterocyclic molecules for discovery and material chemistry based on their targets. Therefore, both the synthesis of novel heterocyclic compounds and crystal studies represent an ideal approach for any drug discovery or material chemistry program.

Guest Editors

Prof. Dr. Etsuo Yonemochi

School of Pharmacy and Pharmaceutical Sciences, Hoshi University,
Tokyo 142-8501, Japan

Dr. Nagaraju Sakkani

College of Engineering, Virginia Commonwealth University, Richmond,
VA 23284, USA

Deadline for manuscript submissions

closed (30 November 2024)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/200968

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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