crystals

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.2

Computational and Experimental Approaches in Pharmaceutical Crystals

Guest Editors:

Prof. Dr. Patrizia Rossi
Department of Industrial Engineering, University of Firenze, 50121 Firenze, Italy

Dr. Martina Lippi
Department of Industrial Engineering, University of Firenze, 50121 Firenze, Italy

Deadline for manuscript submissions:
closed (16 December 2022)

Message from the Guest Editors

It is well known as solid-state analysis plays a key role in the study of compounds of pharmaceutical interest. In fact, it helps to understand a multiplicity of phenomena like polymorphism and pseudo-polymorphism, intermolecular interactions, solvation and desolvation et.al. On the other hand, an experimental approach alone may sometimes not be sufficient to deeply rationalize particular behavior of a pharmaceutical compound; in this case, the possibility to perform theoretical calculations is of great importance.

In addition to this, a computational approach may help in in the design of compounds having desired properties, this kind of analysis is of fundamental importance for the crystal engineering of well performing APIs (Active pharmaceutical ingredients).

The special issue on ‘‘Computational and Experimental Approach in Pharmaceutical Crystals’’ is intended to cover both the fields of design and solid-state analysis, by an experimental and computational point of view, of compounds of pharmaceutical interest.

crystals

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.2

Editor-in-Chief

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Crystallography*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
𝕏@Crystals_MDPI