crystals

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.2

Characterisation and Study of Compounds by Single Crystal X-ray Diffraction

Guest Editor:

Dr. Josefina Perles
Laboratorio de Difracción de Rayos X de Monocristal, SIdI, Universidad Autónoma de Madrid, 28049 Madrid, Spain

Deadline for manuscript submissions:
closed (28 October 2023)

Message from the Guest Editor

Dear Colleagues,

Single crystal X-ray diffraction (SCXRD) has played a crucial role in the interpretation of the physicochemical properties of many substances, determining with high precision the location of the atoms in the crystal as well as the strength of interatomic bonds and supramolecular interactions. Advances in data collection and treatment have overcome many of the initial limitations, such as small crystal size, twinning or poor crystallinity of the sample, and today, SCXRD is a unique characterization tool for many scientists.

In this Special Issue on the topic of "Characterization and Study of Compounds by Single Crystal X-ray Diffraction", we want to highlight the importance of this technique in scientific research, alone or in combination with other analytical methods. All contributions involving SCXRD are welcome, and especially those studies in which SCXRD has provided key information to solve experimental problems.

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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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