

Special Issue

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

Message from the Guest Editor

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.

Guest Editor

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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

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