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NMR Crystallography: Future Perspectives in Materials Characterization

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Deadline for manuscript submissions:
closed (20 April 2023)

Message from the Guest Editors

Dear Colleagues,

NMR crystallography is a sophisticated solid-state characterization tool. It provides detailed structural information about both intra- and intermolecular atomic interactions. The combination of solid-state NMR spectroscopy with X-ray diffraction and quantum mechanical calculations is a powerful approach for the determination, validation and refinement of crystalline materials. In recent years, NMR crystallography has massively progressed towards the development of multi-dimensional correlation techniques, focused on improving its sensitivity in the structure determination of crystalline as well as amorphous materials.

This Special Issue aims to share the latest progresses in NMR crystallography in the structural characterization of crystalline and amorphous materials. To this end, we invite the submission of papers covering broad topics in the field of NMR crystallography, from the development and improvement of the technique to its use in the characterization of materials with potential application in all research areas.

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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.

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