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The Polyhedral Face of Coordination Chemistry

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Message from the Guest Editors

The development of coordination chemistry as we know it owes much to crystallography, with solid-state structural evidence playing a fundamental role in the definition and understanding of coordination compounds.

Still, the very concept of coordination chemistry has expanded beyond the classical metal/ligand complexes: nowadays, it encompasses supramolecular and bioinorganic compounds, et.al. The common thread to this apparently diverse range of topics lies in the “unique structural relationship”, as addressed by Donald Cram. Solid state remains the chief technique to elucidate the interplay of interactions involved in a complex species and the precise spatial relationships among its constituents. Yet, the application of such knowledge and, thus, of broadly interpreted coordination chemistry, easily extends to catalysis, recognition and sensing in solution, metals in medicine, crystal engineering, material and reticular chemistry, and much more.

This Special Issue intends to celebrate the multifaceted aspects of coordination chemistry by showcasing original work demonstrating the liveliness and colourful nature of the branches of this discipline.



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Special Issue



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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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