Special Issue

Multifunctional Coordination Polymers: Synthesis, Structure, Properties and Applications

Message from the Guest Editors

This Special Issue of Crystals is dedicated to multifunctional coordination polymers (CPs), aiming to disclose the most recent developments related to the design, synthesis, structure and properties of these high-value and multifunctional hybrid materials. With the aim of unveiling the most recent scientific achievements in this rapidly growing domain of chemistry, we particularly welcome short communications, full papers and comprehensive reviews related to the synthesis, spectral characterization, X-ray crystallography, crystal structure, physical–chemical properties and applications of coordination polymers and MOFs for this Special Issue of Crystals. Selected contributions regarding the present developments and future perspectives in modern areas, e.g., gas adsorption and separation, energy storage, water purification, hydrogen evolution, heterogeneous catalysis, luminescence, magnetism, electrical conductance, optical devices, chemical, biological and thermal sensing, environmental remediation, biomedical imaging and applications, and drug delivery systems, would be highly appreciated.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2023)

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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.

Editor-in-Chief

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