

## Special Issue

# Synthesis and Characterization of Coordination Compounds

### Message from the Guest Editors

The role of coordination chemistry cannot be neglected, especially since the discovery of cisplatin as the pioneer anticancer metal-based drug. There has been a run and plethora of research in metal-based efficient reagents against a number of ailments. Moreover, biological applications and concepts of coordination chemistry have been widely applied in material science, catalysis, gas adsorption, and hydrometallurgical processes. The selection of ligands and suitable metal ions can lead to the formation of mononuclear, polynuclear, coordination polymers, homolyptic, and/or heterolyptic complexes. When designing coordination compounds, these complexes take up a number of spectroscopic techniques and optimization conditions during their synthesis and characterization. Keeping the importance of coordination compounds in modern age in view, this Special Issue aims to collect articles pertaining to challenges in spectroscopic characterization, intriguing structural features, and applications of coordination compounds.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2023)



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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.

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### Editor-in-Chief

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