Special Issue

Coordination Complexes with Bio-Based Ligands

Message from the Guest Editor

Biomass can provide, directly or after extraction, a wide variety of molecules that can lead to higher value-added compounds. This is also true in the field of materials, where the development and study of new bio-based organic polymers is attracting strong and growing interest worldwide. In the field of coordination chemistry, bio-based molecules are also increasingly used as ligands for the design of coordination complexes with applications in catalysis for the construction of inorganic–organic hybrid materials or materials with biological and medical properties. This Special Issue is dedicated to all domains involving coordination complexes bearing bio-based ligands (derived from lignin, sugars, triglycerides, proteins, terpenes, rosin, etc.) We look forward to your future contributions which, supported by X-ray crystallographic diffraction analysis, will highlight new examples of such entities, illustrating the potential of bio-based molecules as suitable and innovative building blocks for coordination chemistry.

Guest Editor

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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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