Special Issue

Research in Coordination Polymers

Message from the Guest Editor

Currently, coordination polymers, especially multidimensional ones considered metal–organic frameworks, are regarded as a novel group of porous materials. The specific features of metal centers and diverse bridging ligands leads to the formation of polymeric metal complexes with different dimensionality, various topologies, and physicochemical properties. Their unusual structures are usually accompanied by interesting functional properties that make these metal complexes an attractive group of novel inorganic–organic materials with a very wide spectrum of potential applications. Evolution of synthesis methods as well as construction of new ligands creates more possibilities for designing and obtaining coordination polymers with programmed structural and physicochemical properties.

This Special Issue is dedicated to coordination polymers based on various building blocks with different dimensionality and properties. The focus is especially on the non-conventional methods of their synthesis, as well as structural, spectroscopic, and thermal investigations, along with investigations of their functional properties, for the development of novel materials.

Guest Editor

Dr. Renata Łyszczek

Department of General and Coordination Chemistry and Crystallography, Faculty of Chemistry, Institute of Chemical Sciences, Maria Curie-Skłodowska University in Lublin, M.C. Skłodowskiej Sq. 2, 20-031 Lublin, Poland

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Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

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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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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