Special Issue

Self-Assembled Complexes: “Love at First Sight”

Message from the Guest Editors

The development of many fields related to chemistry (materials, catalysts, pharmaceuticals, dyes, etc.) can have deep impacts on social progress. Many advances are closely related to the progress of coordination chemistry, since the combination of metal atoms with diverse ligands can result in a wide range of physicochemical properties, some of which are novel, which we can take advantage of in different areas. While many improvements have resulted from serendipity and many others from a designed plan, self-assembly is usually involved in coordination processes. The spontaneity of processes to form not only small single ion molecules but also intricate frameworks, such as MOFs, is difficult to understand as this spontaneity appears to be “love at first sight”. However, it is crucial to precisely structure materials at a nanometric scale, which is a current goal of materials science as well.

In order to provide an opportunity to disseminate knowledge in this crucial field of chemistry, we invite contributions with a research focus on metal complexes and related materials, as well as those exploring their features or potential applications.

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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.

Editor-in-Chief

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