

Special Issue

Symmetry/Asymmetry in Coordination Chemistry

Message from the Guest Editors

For decades, coordination chemistry has gathered the attention of many researchers with diverse profiles. Metal complexes have a wide range of applications, from analytical purposes, catalysis, dyes, optical materials, and solar cells to the most important one—drug design for different diseases. Revealing the structure–property relationship is instrumental in providing compounds with optimal properties. This is achievable through the attentive design of novel complex compounds with versatile ligands and their detailed structural characterization. XRD is one of the most important techniques for the latter, and its basis relies on symmetry. In this Special Issue, we would like to address novel findings in coordination chemistry, with a particular emphasis on symmetry in crystal structure. The influence of symmetrical/asymmetrical coordination and derivatization of different kinds of ligands on the properties of their metal complexes is always an interesting topic for research.

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Deadline for manuscript submissions

28 February 2026



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/214055

Symmetry
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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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