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Transition Metal Complexes and Their Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (20 November 2022)

Message from the Guest Editor

Since the Nobel Prize in Chemistry for Swiss scientist Alfred Werner in 1913, coordination compounds have developed to an important class of new materials which are engaged in biomedical and catalytic applications and in many other areas. For this Special Issue, we are interested in original research papers covering the novel synthetic methods of coordination compounds and coordination polymers, including frequently used strategies for the molecular design, the important conditions of syntheses that have influences on the self-assembly and crystallization, as well as solvothermal reactions for coordination compounds, especially coordination polymers (CPs) and metal–organic frameworks (MOFs). An important advantage of this type of compounds is their rich applications. Therefore, for this Special Issue, we welcome contributions related to the potential applications of the transition–metal complexes in catalysis, molecular recognition and sensing, host–guest chemistry, electrical, biomedical applications, and as luminescent and magnetic materials.

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Message from the Editor-in-Chief

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