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Symmetry in Coordination Chemistry

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Deadline for manuscript submissions:
closed (31 December 2018)

Message from the Guest Editor

Dear Colleagues,

Metal complexes have usually symmetric coordination geometry around their central metals, such as octahedral, tetrahedral, or square planar, and so on. Historically, its stereochemistryas as well as symmetry (and asymmetry by chirality) helped to establish these compounds and the research field in chemistry by A. Werner. In addition to molecular structures, their crystal structures including supramolecular structures, spectroscopic properties including electronic states, and theoretical treatment, such as ligand field theory, molecular orbitals, and symmetry (in DFT) are important concept of metal complexes. This Special Issue of Symmetry, “Symmetry in Coordination Chemistry”, features articles on such papers of metal complexes or coordination chemistry widely.

Prof. Dr. Takashiro Akitsu
Guest Editor

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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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