

Special Issue

Chiral Metal Complexes

Message from the Guest Editor

Metal complexes with chelate ligands can produce optical isomerism around the metal center. In the case of labile metal ions (alkali, alkaline earth, rare earth, and some of the first transition metal ions), the optical isomers are in dynamic equilibrium in solution. Such equilibrium could be controlled by various internal and external factors. The strong circular dichroism that appears in the visible absorption and emission, specific to chiral metal complexes, can be applied to optical sensors that sensitively reflect the changes of metal complex chirality. Aggregates of such labile metal complexes can express supramolecular chirality, which can also be controlled by external factors more sensitively. In this Special Issue, attention is focused on supramolecular recognition chemistry based on the dynamic conformational changes of metal complexes and their applications.

Guest Editor

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