Special Issue

Transition Metal Complexes with Schiff Base Ligands: Preparation, Characterization and Applications

Message from the Guest Editor

Schiff-base metal complexes represent one of the most popular and studied families of coordination compounds. They are a nitrogen analogue of an aldehyde or ketone in which the carbonyl group (CO) has been replaced by an imine or azomethine group. Schiff bases are common ligands in coordination chemistry. They have played an important role in the development of this subject, as they readily form stable complexes with the majority of transition metals. This feature has attracted much attention because of the significance of these derivatives in organic synthesis and analytical chemistry, and in countless applications in the dye industry, catalysis, polymer stabilizers, and moreover of their remarkable biological processes. This Special Issue aims to provide a collection of reviews and research articles on recent advances in the synthesis and characterization of transition metal Schiff-base complexes, to offer to researchers and readers a forum of discussion and scientific exchange. Special focus will be devoted to recent applications of these compounds in material science, and to their biological activities.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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