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Metal Complexes with N-donor Ligands

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Complexes of metals with N-base ligands like ammonia, amines, urea derivatives, or N-heterocycles are a highly important class of compounds in chemistry, biochemistry, and material science. Many enzymes comprise these kinds of metal complexes. Coordination chemistry of metal complexes with N-bases, including structural features and ligand–central atom or ligand–anion interactions in the solid or solution phase, offers facile routes to prepare and study such industrially important materials. For instance, the interaction of oxidizing anions with reducing N-base ligands within these complex compounds can result in mixed oxides in nanometric size that can be used as catalysts in various technologically important reactions such as CO_2 reduction, Fischer–Tropsch synthesis, CO oxidation, etc.

This Special Issue of *Inorganics* highlights the chemistry of metal complexes containing N-base ligands (ammonia, amines, urea and pyridine, or other N- heterocycle derivatives) and their relevance to science and industry.

Dr. László Kótai
Guest Editor

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Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

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