

Special Issue

Advances on Coordination Chemistry with Nitrogen Ligands and Its Applications

Message from the Guest Editors

Nitrogen ligands play a key role in several fields of Coordination Chemistry, namely catalysis, materials, C-H bond activation, organometallic chemistry, medicinal chemistry, electrochemistry, bioinorganic chemistry, photochemistry, energy, etc. Fundamental and advanced chemistry, as well as theoretical aspects, of coordination compounds with mono- and polydentate N-ligands have always been subjects of large interest in the scientific community. Among the most cited classes of nitrogen ligands we mention substituted and unsubstituted heterocycles (pyridine and poly-pyridines, pyrazole, pyrimidine, imidazole, phenanthroline, quinoline, triazole, etc.), as well as macrocycles and tridimensional structures. Mono- and polynuclear metal species have attracted also great attention. The aim of this Special Issue is to attract researchers, involved in the wide field of coordination chemistry with nitrogen ligands, in reporting their studies and interests in this topic, including the large variety of aspects ranging from synthetic approach and characterization techniques to possible applications.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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