Special Issue

N,O,S-Donor Ligands and Metal Complexes: From Structural Characterization to Biological and Catalytic Applications

Message from the Guest Editor

In recent years, there has been significant progress in research on N,O,S-donor ligands and their metal complexes. Due to their unique coordinating properties, these ligands have broad applications in coordination chemistry, catalysis, and biomimetics. Metal complexes with N,O,S-donor ligands play a key role in fundamental research and industrial and biomedical applications. The goal of this Special Issue is to gather the latest research findings in the following areas:

- Synthesis and modification of N,O,S-donor ligands.
- Structural and spectroscopic characterization of metal complexes.
- Theoretical modeling and DFT calculations.
- Applications in catalysis and industrial processes.
- Biomedical and biological applications of metal complexes with N,O,S-donor ligands.

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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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