

## Special Issue

# Coordination Complexes: From Molecular Design to Functional Applications

### Message from the Guest Editor

This Special Issue focuses on the design, synthesis, and comprehensive characterization of coordination complexes, highlighting their transformation into functional materials with a wide array of applications. Special attention is given to elucidating the structure–property relationships that dictate the performance of these complexes in diverse fields such as catalysis, chemical sensing, magnetism, photophysics, optoelectronics, energy conversion and storage, and biomedical technologies. Contributions that explore innovative ligand frameworks, novel coordination geometries, and advanced metal–ligand interactions that enable the fine-tuning of physicochemical properties are welcome. Studies leveraging state-of-the-art synthetic approaches, spectroscopic and structural techniques, and computational modeling to gain deeper insights into complex behavior are particularly encouraged. In bridging the gap between fundamental coordination chemistry and practical implementation, this Special Issue aims to showcase the pivotal role of coordination compounds in addressing current scientific and technological challenges.

### Guest Editor

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