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# Coordination Compounds: Polydentate Pyridine/Pyrazine Alcohol Ligands, Eco-Friendly Synthesis, Crystal Structures and Stability

Guest Editor:

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Deadline for manuscript submissions:

closed (31 August 2023)

# **Message from the Guest Editor**

Ligands based on pyridine alcohol and pyrazine alcohol have a high tendency to coordinate to transition metal ions and they demonstrate potential to create a variety of molecular/polymeric coordination compounds. Owing to their polar groups (N and OH), pyridine/pyrazine alcohol ligands are well soluble in water, which is important for their roles in biochemistry, and they provide the possibility of synthesis in aqueous environments. Furthermore, they have the potential to form strong hydrogen bonds with solvents or host molecules via noncovalent interactions, such as hydrogen bonding.

The scope of this Special Issue covers research on the synthesis of coordination compounds by pyridine/pyrazine alcohol ligands, the growth of suitable single crystals and the determination of the crystal structures by X-ray diffraction methods, as well as their potential properties, such as gas or small molecule adsorption, including N<sub>2</sub>, CO<sub>2</sub> and water

Please note that submissions on both experimental and simulation studies covering these topics are welcome.







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## **Message from the Editor-in-Chief**

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