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Synthesis Spectral characterization and Biological Importance of N (2-hydroxybenzylidene) pyridine-2-amine and Its Metal Complexes With Co (II), Ni(II), Cu(II) and Zn(II)

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Abstract : The method of preparation of Schiff base from 2- hydroxybenzaldehyde and 2-aminopyridine and its complexes with Co, Ni, Cu and Zn metals described. Obtained complexes were tested for IR, NMR, Elemental analysis and antimicrobial activity. Complexes with Co (II), Ni(II), Cu(II) are found to be high spin tetrahedral complexes and Zn(II) low spin with same geometry.

Key-words : Bacteria, Schiff base, Elemental Analysis, Aminopyridine.

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