

**SYNTHESIS AND IDENTIFICATION OF SCHIFF BASES LIGANDS AS
DERIVATIVES FOR TEREPHALDEHYDE AND STUDIES IT'S COMPLEXES WITH
SOME ELEMINTES**

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ABSTRACT

New Schiff base derived from terephthaldehyde and o-phenlene diamine in ethanolic media and its treatment with Co(II), Ni(II), Cu(II) and Zn(II) have been prepared. These ligand and complexes are characterized by FTIR, ¹H- NMR, UV, Elemental analysis, Mass and Molar conductance measurements. The results of the analytical and spectral data, the stoichiometry has been found to be 1:2(metal: ligand) for all the complexes.

KEYWORDS: Schiff Base, Terephthaldehyde, O-Phenlene Diamine