

Abstract

Copper metal complexes are biologically and chemically active compounds. In present study copper metal complexes with trans -1,2 cyclohexylenedinitrilotetraacetic acid were synthesized and characterized by using elemental analysis and FT-IR. The proposed structure revealed that compounds show octahedral geometry in which four oxygen atoms and two nitrogen atoms of the ligands involved in coordination. All the complexes were further tested for their antimicrobial activities and photocatalytic activity.