

Biological Studies on Some Coordination Compound of Metals with Tetracycline

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Abstract: *The present paper deals with the microbial studies of the complexes Ni(2), Cu(2) with antibiotic drug Tetracycline, a formula Ni(II)[C₂₀H₂₁N₅O₄](BF₄)₂ & Cu(II)[C₂₀H₂₁N₅O₄](BF₄)₂ has been suggested on the basis of elemental analysis and molar conductance for the newly synthesized complexes. The transition metal complexes have been reported to be associated with antifungal antibacterial activity. The microbial studies of synthesized complexes were examined on pathogenic bacteria using gram⁺ve (Staphylococcus aureus) & gram⁻ve (Escherichia coli) and some fungi (Aspergillus flavus Candida Albicans).*

Keywords: Gram Positive bacterial, Gram negative bacterial, Aspergillus Flavus

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