



Microwave Synthesis and Evaluation of Silver Complexes of Thiocarbohydrazide Schiff Bases for their Biological Activity

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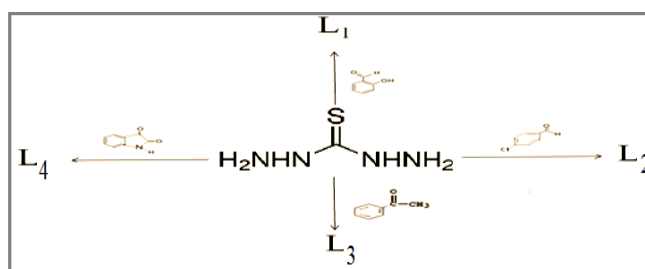
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ABSTRACT

Thiocarbohydrazide, Schiff bases of thiocarbohydrazide and their silver complexes have been synthesized under microwave irradiation. The synthesized Schiff bases and their complexes have been characterized by elemental analysis, FTIR and NMR spectroscopy. They have also been screened in vitro for their antibacterial and antifungal activities against two bacteria namely *Escherichia coli* and *Staphylococcus aureus* and two fungi *Candida albicans* and *Aspergillus niger*.

Graphical Abstract



Keywords: Microwave, Irradiation, Thiocarbohydrazide, Schiff base, Albicans.