

ABSTRACT

The present work is based on the synthesis of novel Organo-sulphur compounds and their biological evaluation. The target compounds were characterized by using IR, NMR, Mass and X-ray crystallographic techniques. Some of the synthesized compounds were evaluated for their anti-oxidant activities by DPPH radical scavenging protocol. These compounds were also screened for their antibacterial and antifungal properties. Antibacterial activities were tested against *Escherica coli*, *Bacillus subtilis*, *Shigella flexenari*, *Staphylococcus aureus*, *Peudomonas aeruginosa* and *Salmonella typhi* employing Imipenum (10 µg/mL) as standard drug while antifungal activities were performed against the following strains of fungi, *Candida albicans*, *Aspergillus flavus*, *Microsporium canis*, *Fusarium solani* and *Candida glabrata* using Miconazole as standard drug.