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Effect of *Allium sativum* paste against Antimicrobial, Antioxidant and Cytotoxicity activity

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Abstract: In the present work, *Allium sativum* paste has been prepared and analyzed to determine their antioxidant, *in vitro* antibacterial, *in vitro* cytotoxicity and apoptosis activities. Butylated hydroxy toluene has been used as standard. Results show the highest % of inhibition in DPPH assay 97.06 ± 0.001 and metal chelating assay 82.35 ± 0.005 at $100 \mu\text{g}$ concentration. Extracts exhibited strong antimicrobial activity against *Pseudomonas aeruginosa* and *Klebsiella pneumoniae* than against *Salmonella typhi*. 3- (4-5-dimethyl thiazol-2-yl) -2,5-diphenyl tetrazolium Bromine (MTT) assay demonstrated the inhibition of 43.18% the proliferation of the Siha cervical cancer cell in time and dose dependent manners.

Key words: *Allium sativum*, Antioxidant, Antimicrobial, cytotoxicity.

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