

ANTIBACTERIAL INVESTIGATION OF BLACK PEPPER AGAINST *SHIGELLA* *DYSENTERIAE*

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Abstract : Aim of this study was to evaluate the antibacterial activity of different extracts of *Piper nigrum* L. against *Salmonella typhi*. Three extracts such as aqueous, ethanolic and chloroform extracts of *Piper nigrum* seeds were prepared. 4 different concentrations such as 15, 20, 25, 30 mg/ml of them were made. Antimicrobial activity was determined by Agar well diffusion method. Results showed that 30 mg/ml of aqueous, ethanol and chloroform extract of *Piper nigrum* gave 23.2±0.2, 22.4±0.2, 22.2±0.4 mm of inhibition zones, respectively. Aqueous extract was observed to be best among all extract of *Piper nigrum*.

Keywords : *Piper nigrum*, *Shigella dysenteriae*

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