“TULSI” *OCIMUM SANCTUM* L. AS GERMICIDAL

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Abstract: Phytochemicals are non-nutritive plant chemicals that have protective or disease preventive properties. There are more than thousand known phytochemical and some of are lycopene in tomatoes, isoflavones in soy and flavanoids in fruits. “Holy Basil” (*Ocimum sanctum*) or “Tulsi” is undoubtedly the best medicinal herb ever known. It has endless miraculous and medicinal values and is being worshipped in India since thousands of years. It is an excellent germicidal herb. They are quite effective in treatment of dysentery and can rid toxins from the body. Our studies have shown that extract of tulsi leaves kills *Salmonella* and *E.coli* tests clearly depicted zone of inhibition of 3mm to 14mm for *Salmonella* and 0mm to 14mm for *E.coli*. On the basis of the results obtained for the MIC determination by disc diffusion assay on LB agar media, it was observed that for the Protein Fraction up 1/10000 dilution factor in fraction against *Salmonella typhi* and *E. coli*. For protein fraction the MIC was found to be 1/10000 dilution factor against *S. typhi* and *E. coli*.

Keywords: “Tulsi” (*Ocimum sanctum*), Phytochemicals, Antibiotic, Germicidal, *Salmonella typhi* and *E.coli*.

REFERENCES


