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studies are required to determine the potency and stability of this activity. a wide spectrum of bacteria, including multiresistant organisms and *Candida* spp. Further 29.3mm ± 0.94 mm. It can be concluded that the oil of *S. aromaticum* has the ability to inhibit 12.3 mm ± 0.47 mm - 21 mm ± 0.81 mm, *Candida* spp. (n=8); range 20.3 mm ± 0.47 mm - negative bacilli (*K. pneumoniae* n = 2, *Acinetobacter*, *Enterobacter cloacae*, *Proteus*); range Group A BHS); range 14.3 mm ± 0.47 mm - 17.66 mm ± 0.47 mm, Multi resistant Gram *E. coli* (NCTC 10518); 17.6mm ± 0.47mm, Gram positive cocci (MRSa n= 5, VRE and by oil against the tested organisms are as follows: *S. aureus* (NCTC 6571); 16.3mm ± 0.47mm, excluding *P. aeruginosa*. The mean and SD of the diameter of the zone of inhibition produced The oil of *S. aromaticum* demonstrated inhibitory activity against all tested organisms zone of inhibition was measured after overnight incubation at 37 °C.

Five µl of the oil was impregnated on 6 mm sterile paper disc placed on the seeded plate. The standard (0.5), the excess fluid was drained and plates allowed to dry at 37 °C for 15 minutes. Hinton agar plates were inoculated with 1 ml of the liquid bacterial culture (~McFarland Screening for antimicrobial activity was carried out using the disc diffusion method. Mueller- *C. albicans*. The oil of *S. aromaticum* was obtained using the Clevenger arm apparatus. *Proteus* spp., *Enterobacter cloacae* and *Acinetobacter* spp.), 5 species of *Candida* (*C. pneumoniae* and Extended spectrum β lactamase [ESBL] positive *Klebsiella pneumoniae*, *A beta-hemolytic streptococci*), Gram negative bacilli (multidrug resistant [MDR] *Klebsiella* cocci (methicillin resistant *S. aureus* [MRSa], vancomycin resistant *enterococcus* and Group *Escherichia coli* (NCTC 10418), *Pseudomonas aeruginosa* (NCTC 10662), Gram positive spectrum of organisms. The panel of organisms tested included *S. aureus* (NCTC 6571), present study screened the antimicrobial activity of the oil of *S. aromaticum* against a *aureus*, *Lactobacillus acidophilus*, *Candida albicans* and *Saccharomyces cerevisiae*. The been published against five microorganisms, namely *Streptococcus mutans*, *Staphylococcus* Clove oil is also used for toothache. The antimicrobial activity of clove and clove bud oil has respiratory system (cough, asthma), gastro intestinal system (diarrhea) and urinary system. medicine, the dried flower buds are used along with other ingredients to treat diseases of the and have carminative, stomachic, stimulant and anthelemintic properties. In traditional clove (karabu-neti in sinhala and illavangappu/kiramb in tamil). The flower buds are spicy *Syzygium aromaticum* is a medicinal plant of the family Myrtaceae, commonly known

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SCREENING OF ANTIMICROBIAL ACTIVITY OF OIL OF SYZYGIUM AROMATICUM

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