

ANTIBACTERIAL ACTIVITY OF MARINE MACRO ALGAE *HYPNEA CERVICORNIS* (RHODOPHYCEAE) COLLECTED FROM CHAGKUMUGAM COASTAL REGION

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Abstract: To evaluate the antibacterial activity of Organic solvent extracts from marine macro algae *Hypnea cervicornis* (Rhodophyceae) against the eight pathogenic bacterial strains. The antibacterial activities of methanol, ethyl acetate and aqueous extracts were tested against various organisms *Escherchia coli*, *Staphylococcus aureus*, *Proteus vulgaris*, *Klebsiella* spp, *Pseudomonous aeruginosa*, *Spreptococcus* spp, *Enterobacter* sp and *Neisseria* sp. by using disk diffusion method. The highest antibacterial activity (15.13±0.15mm) was showed by the methanol extract of *Hypnea cervicornis* against *Streptococcus* sp and the lowest activity (7.23±0.25mm) was observed in the methanol extract of *Hypnea cervicornis* against *Proteus vulgaris*. The aqueous extract of *Hypnea cervicornis* was resistant to all bacterial strains.

Keywords: Marine macro algae, antibacterial activity and algal extracts

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