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Antimicrobial Potential of Hemolymph of A Fresh Water Crab *Oziotelphusa Senex Senex* ((Fabricius 1798)

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Abstract: Crustaceans, have an immense immunological defence against pathogenic microorganisms. In the present study, effort has been made to find the antimicrobial activity of haemolymph collected from a freshwater crab *Oziotelphusa senex senex*. The hemolymph collected was subjected to antimicrobial assay by well diffusion method against clinical pathogens. Six bacterial species namely *Escherichia coli*, *Klebsiella pneumonia*, *Streptococcus pyrogenes* *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Bacillus sp*. The result shows a strong response of haemolymph against the clinical pathogens which confirms the immune mechanism of the freshwater crab.

Keywords: *O senex senex*, AMP, Hemolymph, antibacterial activity, pathogens.

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