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### Antibacterial activity of freshwater green- algae, *Chara vulgaris*

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**Abstract:**The *Chara vulgaris* is a macro-algae found in fresh water bodies and it is rich with calcium carbonate deposits in the cell wall. This alga was studied for its antibacterial activity against chosen pathogenic bacteria. In the present experiment various solvents were used to find out the antibacterial activity against different pathogens. The highest antibacterial activity was found in the Acetone crude extract ( $15.33 \pm 0.40$ mm) against *Micrococcus luteus* when compared with other solvents under study. The present investigation under study clearly shows that the chosen member of green-alga, *Chara vulgaris* proved to be a potential for antibacterial properties.

**Key words:** *Chara vulgaris*, Organic solvents, Antibacterial activity, Bioactive compounds.

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