

ANTIBACTERIAL ACTIVITY OF THE LEAF EXTRACT OF *HELIANTHUS ANNUS* L.

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The leaves and flowers of Helianthus annus L. is used as an ethno medicine for emetic purpose and applied for lumbar pain and skin diseases. Antibacterial activity of the purified compound and crude extract from the leaves of Helianthus annus was carried out against the human pathogenic bacteria S. aureus, B. subtilis AK1, S. dysenteriae, E. coli and P. vulgaris at 37° C for 24 hrs. incubation by disc diffusion and minimum inhibitory concentration methods. The quantified and purified compound of H. annus has shown potent antibacterial activity against a wide range of bacterial species, both gram-positive and gram-negative bacteria, compared to the crude leaf extract. It may be due to the less quantity of the purified compound in the crude extract.

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