

ANTI-BACTERIAL ACTIVITY OF RHODODENDRON ARBOREUM PLANT AGAINST STAPHYLOCOCCUS AUREUS

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ABSTRACT

In the present study, preliminary *in-vitro* antibacterial screening of the alcoholic extracts of leaves (LE) and flowers (FE) of *Rhododendron arboreum* was performed against bacterial culture, *Staphylococcus aureus* which was isolate from infected throat. Extracts showed prominent inhibition in the development of bacterial growth on agar plate. *Staphylococcus aureus* identified from bacterial culture by the methods of Mannitol salt agar with provide a yellow colony of *Staphylococcus aureus* due to acidic activity. Prepare a mix solution of agar and plant extract, after solidifying the media spread the bacterial culture over the surface of media and leave it for a one day. After a one day see the bacterial growth and his inhibition on agar plate due to the plant extract activity. Antibacterial activity of Plant leaf extract is good as compare to flower extract.

KEYWORDS: Rhododendron Arboreum, Antibacterial Screening, Plant Leaf Extract and Mannitol Salt Agar