

Antibacterial Activity of Aqueous Extract of *Terminalia arjuna* (Arjuna) Against Multidrug Resistant *Staphylococcus aureus*

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Abstract—*Terminalia arjuna* commonly known as arjuna that belongs to family Combretaceae, is a deciduous and evergreen tree . This plant possesses good antioxidant, antimutagenic, antimicrobial, anticancer, antiviral and hepatoprotective activities. It has been considered as cardiac tonic by Ayurvedic physician. In the present investigation, the antibacterial activity of extracts of *Terminalia arjuna* against multidrug resistant *Staphylococcus aureus* was investigated .The aqueous extract of *Terminalia arjuna* bark exhibited good inhibitory activity against multidrug resistant *Staphylococcus aureus* at various concentrations. All the aqueous extract including methanolic and ethanolic extract of *Terminalia arjuna* exhibited good inhibitory effect against the tested pathogenic microorganism (multidrug resistant *Staphylococcus aureus*). All the observed antibacterial activities of the extract were dependent on its concentration.