

# Phytochemical and Anticholinesterase of Leaves of Different Herbs on Frog's Experimental models

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## KEYWORDS

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**Abstract:** *The present study reports the preliminary phytochemical, anticholinesterase activity of leaves of the plant of Anogeissus accuminata and Holoptelia integrifolia. The shade dried powder of Anogeissus accuminata (Combretaceae) and Holoptelia integrifolia (Ulmaceae) was subjected to successive extraction using the solvents (Petroleum ether and Methanol) in the increasing order of polarity. Thus the prepared extracts were subjected to the preliminary phytochemical analysis. The extracts were investigated for anticholinesterase activity in green frogs which was compared with standard drug Neostigmine (1mg/ml). The parameter measured for anticholinesterase activity was ciliary movement in frog's buccal cavity and degree of contraction of frog's buccal cavity and degree of contraction of frog's rectus abdominus muscle. Results revealed that the methanolic extract of the plants leaf showed significant anticholinesterase activity.*