

MODE OF ACTION OF KILLING OF MICROORGANISMS WITH VASAKA LEAF EXTRACT

ABSTRACT : In studying the antimicrobial activity of Vasaka, it has been found that Vasaka leaf extract is a broad spectrum antimicrobial agent and microbiostatic. When plates inoculated with microorganisms were grown in presence of Vasaka, no zone of inhibition was obtained. The organisms have grown resistance against Vasaka. The ethanolic extract of Vasaka have no direct effect on microbes like S. mutans, Pseudomonas sp., Candida albicans and Aspergillus sp., but should trigger a signal, which would induce some cellular responses. Lastly, performing activity gel of SOD from cell extracts of microorganisms grown in presence of Vasaka extract indicated increased SOD activity. This gave the idea of the mechanism of killing of microbes.

Key words: Vasaka leaf extract, antimicrobial agent, microbiostatic, Superoxide dismutase
