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Phytochemical and anti-bacterial action of the wild, ancient medicinal herb *Urginea indica* (Roxb.) Kunth, Hyacinthaceae

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One of the members of the family Hyacinthaceae *Urginea indica* found in all parts of India on rocky and hilly areas. The plant is known to contain phytochemicals which are useful for a number of purposes. The objective of this study is to investigate the types of phytochemicals and examining the relevance of their phytochemicals to plant protection. The use of phytochemicals as natural antimicrobial agents, commonly called "biocides" is gaining popularity. The most essential of these bioactive constituents of plants are alkaloids, tannins, flavonoids and phenolic compounds. The plant *Urginea indica* is popular in the medicinal plant trade to treat respiratory and urinary problems, flatulence, stomach ache, fevers, syphilis and to facilitate childbirth. The present investigation was focused on the preliminary phytochemical and antimicrobial studies of solvents extracts of *Urginea indica* (Roxb.) Kunth (Hyacinthaceae). Already the message "green medicine" is safe and more dependable than the costly synthetic drugs many of which have adverse side effects have passed on to many parts of the world. *Urginea indica* (Roxb.) Kunth (Hyacinthaceae) results were clearly revealed that the plant contained different bioactive compounds such as of alkaloids, anthoquinones, steriods and flavonoids compounds were rich in the alcoholic extracts.

Biography

Hemalata S K has completed her PhD from Bangalore University in 2016. She has also successfully completed MPhil and published seven research articles in international journals. She has teaching experience in Botany and Biology to all undergraduates and graduates for more than 20 years in Bangalore. She has also worked as a Coordinator for Practical allotment in Department of Pre University for more than 10 years.

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