

Preliminary survey of medicinal plants from Shri. Shivaji college campus Parbhani (MS)India

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ABSTRACT

India is a centre of Medicinal plant material of the world .This nation is considered as a rich scared heaven of potential medicinal plants .By considering the importance of medicinal plants the survey of college campus was done in yr. 2017-2018. Various seasonal medicinal herbs were collected and made in to herbarium and deposited in the departmental herbarium of the college.

More than hundred medicinal plants were recorded from college campus. These plants were identified with the help of Floras, some of them are –*Abrus precatorious* L., *Adathoda vasica* Nees, *Azadirachata indica* A.Juss., *Bahunia varigataa* L., *Borehaavia diffusa* L., *Calatropis procera* (L) R.Br., *Cassia fistulosa* L.,*Curculigo orchioides* Gareth, *Cynodon dactylon* L.(pers), *Ficus racemosa* L, *Gymnema sylvestree* (Retz.) R.Br. Schult, *Martynia annua* L., *Nerium indicum* L., *Oscimum sanctum* L., *Oxalis corniculata* L., *Tinospora cordifolia* (Willd) Miers, *Vitex negundo* L., *Withnia somnifera* Dunal etc .

Keywords:- Medicinalplants, Shivaji college campus, G.sylvestre, Ashwagandha

INTRODUCTION

Shri. Shivaji college Parbhani was established in yr.1961. It is occupying an area spread over 20 acres and has decorative buildings, well equipped laboratories and spacious classrooms. Along with UG & PG the college is recognized as research centre in Botany. By the dept. of Botany in the college campus a medicinal plant unit is developed which contains some of the endangered medicinal plants like *G.sylvestre*, *A.precatorious*, *Curculago orchoids*, *Dioscoria bulbifera*, *Santalum album*, *Raulfia serpentine* etc. along with these endangered med. plants other common med. plants and ornamental plants are cultivated in the college campus. During the survey of med. plants in the yr.2017-18 not less than 100 medicinal plants were recorded. Their identity, nomenclature and medicinal properties were confirmed by using information available in literature in various floras and books like Flora of Presidency of Bombay (Cook T 1901-08), Flora of Marathwada Vol.I&II (Naik 1998) Flora of Indian Deserts (Bhandari M.M1929), Pharmacognosy (Kokate et.al 1990), Glossary of Indian Medicinal Plants (Chopra R.N 1996) etc.

In Maharashtra no. of workers reported the uses of plants in medicine. Vartak et al (1987) reported 26 medicinal plants used in treatment of common human

diseases. The current paper deals with study of medicinal plants from Shri. Shivaji college campus area during yr.2017-18, found more than 100 medicinal plants from the campus.

METHODOLOGY

The survey of selected area was conducted by visiting several times in the yr 2017-18. The information was collected from traditional ayurvedic practitioners and from local peoples on the use of medicinal plants. The field data was collected such as botanical name, common name in Marathi, family, part used as medicine on the ailment etc is tabulated (Table.1). All the collected plant specimens were identified with the help of flora. The dried plants were made into herbarium and deposited in dept. herbarium as a voucher specimens.

RESULT

During the yr.2017-18 in the survey of medicinal plants more than 100 medicinal plants belong to 40 families of dicots and 04 spp of monocots were reported which are used in the treatment of Cancer Diabetes, Jaundice, Inflammation, Rheumatism, Piles, disorders etc.

Table -1 List of some of the medicinal plants and some of their uses from Shri Shivaji College Campus Parbhani

SN	Botanical Name	Common Name	Family	Medicinal Uses
1	<i>Abrus precatorious L.</i>	Gunj	Fabaceae	Roots & lvs. on cough and cold, seeds on Rheumatism
2	<i>Adathoda vasika Nees</i>	Adulsa	Acanthaceae	Lvs. roots & flowers for cough, cold & Asthma
3	<i>Azadirachta indica A.Juss.</i>	Kadu limb (Neem)	Meliceae	All the plant parts are medicinally imp, Leaf and bark oil for leprosy, skin ulcers, gingivitis, malaria, anti bacterial, viral etc
4	<i>Bahunia varigata L.</i>	Raktakanchan/ kanchan	Caesalpinaceae	Bark for oral, skin disorders, wounds fruit for pitta, TB, loose motion
5	<i>Boerhaavia diffusa L.</i>	Punarnava	Nyctaginaceae	Whole plant is used as medicine for kidney problems, roots on jaundice, gen. fever & obesity, all kinds of eye diseases- night blindness

6	<i>Calatropis gigantia(L.)R.Br.</i>	Ruchki	Asclepidaceae	Lvs. & stem juice on cattle poison, piles, cough and asthma
7	<i>Cassia fistulosa L</i>	Amlatas	Caesalpinaceae	Bark as inflammatory swellings as a cleaning agent for ulcers and wounds ,fruits as laxative
8	<i>Curculigo orchoides</i>	Kali musali	Hypoxidaceae	Root is aphrodisiac, used in piles, biliousness, fatigue
9	<i>Cynodon dactylonL(Pers)</i>	Harali/Durva	Poaceae	Whole plant is used in treatment of eye disorders, herpes, uterine disorder, convulsion
10	<i>Ficus racemosa L.</i>	Umber	Moraceae	Figs are used to treat heavy periods, fractured bones ,diabetes
11	<i>Gymnema sylvestre(Retz.)R.Br.ex Schult</i>	Aphumari	Asclepidaceae	Roots & Lvs used as antidiabetic, used for weight loss, stomach ailments, viral infections
12	<i>Martynia annua L.</i>	Wagh nakhi	Martyniaceae	Root posses anti helmenthic, antipyretic, antifertility activities, lvs posses wound healing, antibacterial activity
13	<i>Ocimum sanctum L.</i>	Tulasi	Lamiaceae	Lvs are stress manager, used in fever, reduces cholesterol, cough and cold, removes kidney stones
14	<i>Tinospora cordyfolia(Wild)Miers</i>	Gulvel	Menispermaceae	Stem used as medicine ,in cancer, diabetes arthritis, liver diseases, skin diseases
15	<i>Withania somnifera Dunal</i>	Ashwagandha/ Dhorkamuni	Solanaceae	Root as medicine for cancer, diabetes, arthritis, asthma, hypertension

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