

RESEARCH ARTICLE

DIVERSITY OF MEDICINAL PLANTS FROM MELGHAT FOREST OF AMRAVATI DISTRICT (MS) INDIA

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Manuscript Info	Abstract
Manuscript History Received: 15 August 2023 Final Accepted: 18 September 2023 Published: October 2023 Key words:- Medicinal Plants, Diversity, Melghat Forest, Korku Tribes	Medicinal plants have been used for thousands of years in developing countries. According to the World Health Organization (WHO), traditional healthcare systems serve 70-80% of the population in India. Medicinal plants (MPs) and herbal remedies play an essential role in indigenous medicine systems such as Ayurveda, Unani and Siddha. The Melghat region is known for its rich biodiversity and cultural value. The present survey was carried out to document the traditional uses of medicinal plants among the korku triable community which are located in Melghat region of Amravati disrict, India. The Melghat forest has great diversity in medicinal plants. More than 769 naturalised plant species are listed in the Flora of Melghat belonging to about 400 genera representing 97 families. Local people are aware of medical cures produced from different plant species belonging to various families to treat a wide range of ailments.
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Introduction:-

As plants are rich in active ingredients, knowledge of an area's plant diversity and knowledge of medicinal uses of those plants by local people is critical for the development of those species considered effective in the treatment of various ailments. The plants are also used for nutrition, appetizers, energy boosters, and aroma in teas.

The Melghat forest is an excellent source of biodiversity. The Melghat forest is located in the Satpuda hills range. Melghat is a dry deciduous forest. Plant species found in Melghat include Tectona grandis, Butea spp., Ocimum gratissimum, Abutulon indicum, Digera muricata, Feronia limonia, and others. [1, 2, 3].

Melghat Reserve Forest in Maharashtra State is being studied botanically. The region's unusual geographical position and physical features give an idea of the extreme isolation of trible people in the area, who rely on limited agricultural land and local plant products. Their close contact with and reliance on nature has resulted in the development of curious knowledge, which is ultimately reflected in traditional culture, local belief, and religion [4, 5, 6].

Materials and Methodology:-

Study area

The research site is located on a branch of the Satpuda range to the south of the Tapti River. The main ridge of the Gawilgarh hills is the most prominent feature. Melghat division reserve forest is divided into East Melghat and West

Corresponding Author:- Nitin A. Khandare Address:- Department of Botany, Shri Vasantrao Naik Mahavidyalaya Dharni, Dist Amravati. Melghat divisions. It stretches between south and north. Latitudes $21^{0} - 11'$ and $21^{0} - 46'$ north and longitudes $78^{0} - 38'$ and $77^{0} - 34'$ east, from west to east. It curves southwest and broadens into the Chikhaldara and Vairat plateaus. The highest point in Vairat is 1,177.75 meters above sea level.

The current study was carried out using an ethnomedical survey that was conducted in various villages in the Melghat region of Amravati district. The local tribes depend upon plant resources to meet their daily needs and have used plant-based formulations for various diseases, including the treatment of jaundice, from generation to generation. Furthermore, traditional plant-based medicine provides the best rural or tribal healthcare. Korku vaidoos use the following plant species to treat a variety of diseases and other health issues. [7, 8, 9, 10]

Sr.	Botanical name	Local Name of	Family	Medicinal use
no.		Plants		plants for the
				Treatment of
1	Sapindus trifoliatus L.	Ritha	Sapindanceae	For hair cleaning
				and conditioning.
2	Abutulon indicum L.	Karandi	Malvaceae	Snake bite
3	Abrus precatorius L.	Gunj	Papilionoideae.	Cough ,urinal
				disease, brain tonic
4	Acacia leucophloea Roxb.	Hiwar	Mimosaceae	Stomach disorders
5	Acacia arabica Willd.	Babul	Mimosaceae	Dental problems
6	Achyranthes aspera L.	Kutri/Chirchita	Amaranthaceae	Eye diseases,
7	Melia azedarach I	Maharukh	Meliaceae	To treat skn
,	Wiena azedarach E.	ivialiai akii	Wienaceae	diseases
8	Eclipta alba Linn Hassk	Bhangara	Asteraceae	Hepatitis and skin
Ũ		Dininguru	11500100000	Infection.
9	Bacopa monnieri (L.) Penn.	Bramhi	Scrophulariaceae	Brain Tonic.
	1		1	Diuretic.
10	Vitex negundo Linn	Nirgudi	Vebenacceae	Asthma, Dysentery
	C C	C		and Piles.
11	Andrographis paniculata Wall. Ex.	Kalmegh/ Bhineem	Acanthaceae	Blood purifier and
	Nees.			stomachic.
12	Barleria cristata (L.)	Katsarika/	Acanthaceae	Dental caries,
		Katekoranti		wounds and
				cracking heels.
13	Bauhinia varigata Linn.	Kachnar	Caesalpiniaceae	Diarrhea and
		~		dysentery
14	Buchanania lanzan Spreng.	Charoli	Anacardiaceae	Chest and body
1.7		D 1		pain.
15	Butea monosperma Roxb. Ex Willd	Palas	Fabaceae	Menorrhoea and
1.6		a .:	Q 1	against snake bite.
16	Caesalpinia bonduc (L.) Roxb.	Sagargoti	Caesalpiniaceae	Against diabetes.
1/	Commelina benghalensis L.	Vinchu	Commelinaceae	Treat Leprosy.
18	Cymbopogon martini (Roxb,) Wats.	GawatiChaha	Poaceae	Against skin
				diseases and
10	Dizono municato (L.) Mont	Vunion	Amononthesees	Equality in children.
19	Digera muricata (L.) Mart.	Kunjar	Amarantnaceae	For kidney stone
20	Englandas alsinaid Ling	Charlahaman'	Comuchaulouses	
20	Evolvulus alsinoid Linn.	Snanknpuspi	Convolvulaceae	As general healing,
				nervous disorders
21	Euphorbia hirta I	Dudhi	Funhorbiacea	Apply externally of
<i>2</i> 1		Duum	Lupitorolacea	the site of snake
				hites
L				01105.

The important Medicinal Plants of Melghat forest are shown in table: 1

22	Enicostema axillare (Lam) Raynal	Kadunai	Gentinaceae	Treatment of intermittent fever.
23	Feronia limonia L.	Kanwat	Rutaceae	To cure skin allergies.
24	Glossocardia bosvalllia DC.	Dagad Shepu	Asteraceae	To cure sores and wounds.
25	Grewia tillifolia L.	Dhaman	Tiliaceae	Treatment of dysentery.
26	Helicteris isora (L.) Roxb.	Muradsheng	Sterculiaceae	To cure asthma.
27	Heteropogon conortus L.	Kusalgawat	Poaceae	against appendices and scorpion bite
28	Lagascea mollis Cav	Nikargua	Asteraceae	Cuts and injuries to cure.
29	Lantana camera L.	Rai-muni	Verbanaceae	Given as antidote for snake bite.
30	Limonia acidissima L.	Kawath	Rutaceae	To treat dysentery with vomiting.
31	Madhuca longifolia J. F. Gmel.	Moha	Sapotaceae	To cure mouth ulcers.
32	Meytinus emarginatus L	Bharati	Celastraceae	To relive tooth ache and also more mouth ulcers.
33	Merremia gangetica L.	Undirkani	Convolvulaceae	To treat headache and rheumatic pain.
34	Millingtonia hortensis (L.) F.	Akash Neem	Bignoniaceae	Given in asthma and Sinusitis.
35	Morinda tomentosa J.E. Smith.	Aal	Morindaceae	Digestive problem and gastric disorders.
36	Mucuna prurience (L.) DC.	Kuiri/ Kachkuiri	Fabaceae	To accelerate the delivery and reduce pain.
37	Ocimum gratissimum L.	Ran Tulasi	Lamiaceae	Digestive disorders.
38	Pergularia damia (Forssk.) Chiov.	Utaran/ Utarvel	Asclepidiaceae	To treat liver problems.
39	Plumbago zeylanica L.	Chitrak	Plumbaginaceae	Against intestinal disorders, skin diseases and rheumatic pain
40	Pterocarpus marsupium Roxb.	Bija	Fabaceae	To cure leprosy, diabetes, ulcer and skin diseases to improve the complexion.
41	Ricinus communis L.	Erand/ Erandi	Euphorbiaceae	Hepatitis
42	Semicarpus anacardium L. f.	Bibba	Anacardiaceae	To treat bronchitis.
43	Terminalia belarica Roxb.	Beheda	Combrataceae	To treat headache, leucorrhoea, liver and gastro-intestinal complaints.
44	Terminalia chebula Retz.	Hirda	Combrataceae	As appetizer.
45	Trichodesma indicum L.	Dudhali	Boraginaceae	To cure skin allergy.
46	Tribulus terestris L.	Gokharu	Zygophyllaceae	To relieve abdominal pain.

47	Tridex procumbens L.	Kambermodi	Asteraceae	Treatment of
				inflammation,
				wound, ulcers.
48	Wrightia tictoria (Roxb.) R.Br	Kayakuda	Apocynaceae	Against gaseous
				intestinal problems
				and use as febrifuge.
49	Xanthium strumariumL.	Chhota Gokhru	Asteraceae	Against malarial
				fever and urinary
				trouble
50	Bambusa bamboo Vass.	Bans	Poaceae	Given in blood
				vomiting.

Conclusion:-

From present study it is clear that the Melghat Forest is rich with Biodiversity of large number of plant species it includes various medicinal plants which are used by the local inhabitants for their primary healthcare. The knowledge of traditional uses of plants is important to study and record for future. Such survey methods and data collection from local Korku vaidoos provide valuable information for isolation of important phytochemicals from individual plant species.

Acknowledgements:-

The author would like to express gratitude to the local Korku trible people and Vidoos of the Melghat region for sharing their traditional ethnomedicinal knowledge. Author also thanks Prof. V.M. Gawai, Principal, Shri Vasantrao Naik Mahavidyalaya Dharni, and Hon'ble Mrs Veenatai Ramesh Malviya, President Dayaram Patel Smarak Trust's Dharni Dist. Amravati (MS) 444702, India, for providing the necessary facilities for this research work.

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