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Ethnobotanical Investigation of Some Medicinal Plants used by Tribes of Mandla District, Madhya Pradesh, India

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Abstract: Present paper deals with 30 ethnobotanical plants have been identified for the treatment of various disease. Harbarium has been prepared which contains information pertaining to botanical name, local name, plants used, their dose and process of administration. A survey of ethnobotanical plants of Mandladistrict has been carried out with co-operation of Tribal villagers.

Keywords: Ethnobotanical plants, Tribes, Mandla, Madhya Pradesh.

1. Introduction

Mandla district is a Baiga and Gond tribes dominated district. Mandla district situated at 220 35 ' 00 " N. Latitude and 800 21' 00" E. Longitude. This District in the located hilly and forest areas of Maikal hill range of the Satpuras, in mostly scattered habitation. The District situated in the east- Central part of Madhya Pradesh lies almost entirely in the catchment of river Narmada and it tributaries. A District with a glorious history, Mandla comprises of numerous rivers and endowed with rich forests . "Khanha National Park " Located in this District , its world's famous Tiger Sancturary .One of the hottest targets for both the domestic as well as Foreign tourist. The extreme length of this District is about 133 Kms. from north to south and extreme breath is 182 Kms from east to west. It is covered a total area of 8771 Sq.km .and consists a total population of 10,53,522. There are 9 Block, 6 Tehsils and 1221 habitable village in the District. This District is total Tribals population 5,11,798 and total geographical area 8771 Kms scattered habitation in villages.

The rainfall various considerably from year. The Survey of folk Medicinal Plants was conducted for one consecutive years in villages of 6 Blocks in Mandla District. Ethnomedicinal information collected from the native information. Oral interviews were held villages and information recorded at the spot and Ethnomedicinal Plants was collected and preserved for future users and marked by vouchers numbers. The Plants species were identified with the help of available floras. Some doubtful Folk Medicinal Plants are confirmed at the herbaria of Forest Research Institute (F.R.I)Jabalpur (M.P) India and Botanical Survey of India (B.S.I)Central Circle Allahabad (U.P.) India.

MandlaDistrict is floristically very rich and harbours a wide range of biodiversity. People living in these forests and adjacent rural areas depend upon plants for their daily needs and food. Baiga tribal villagers have good knowledge about medicinal plants and their uses in different types of diseases. A perusal of literature shows that no systematic study and survey from ethnobotanical and ethnobotanical point of view has been carried out in the present area of investigation. The present communication deals with 30 ethnobotanical plant used by the tribal communities in habiting the region of Mandla district forvarious disease treatment by the Tribes. The plants are arranged alphabetically each by botanical name, family, local name and use of plants. Plants were collected during flowering period with the help of tribals andvaidys. Parts of ethnobotanical plants used in the treatments of many types disease and other information's were recorded as stated by the tribals and vaidyas. The specimens were identified with the help of published floraand relevant authorities. Some other workers who have contributed in the field of ethnobotany as Jain(1981,1963,1965 and 1991), Agrawal (1997), Ahirwar (2010, 2011, 2014 and 2015), Khan et al (2008), Biswas and Mukerjee (2003), Busia (2005), Chopra (1956), Hemadri and Rao (1989), Kumar (2007), Maheswari (1964), Masihet al (2013) Miller (1990) and Oommanchan and Masih (1989).

3. Results and Discussion

During present paper we have identified 30 Ethnobotanical plants, which are uses by tribes of Mandla district in their daily life for the treatment of various diseases. Most of these plants are wild and some plants are cultivated. The ethnobotanical plants have been listed alphabetically(**Table 1**).

2. Material and Methods

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Figure 1: Location Map of Madhya Pradesh in Mandla District.

Table 1: Shows Ethnobotanical plants uses of Tribes in Mandla District, Madhya Pradesh, India

S.No.	Name of Family		Local Name	Ethnobotanical Used
1	Apiaceae	Centellaasiatica(L). Urban	Bramhi	Entire plant used as nervine tonic, and skin diseases as weak
_	1 Ipiacous	2011-011-011-011-011-011-011-011-011-011	21411111	sedative, cardio depressant, hypotensive and in leprosy.
2	Asteraceae	EcliptaprostrataL.	Kala	Entire plant tonic given in spleen enlargement and leaf juice given
			Bhegraj	in eczema and as hair tonic.
3	Apocynaceae	Rauvolfia serpentine (L.)	Sarapgandha	Leaf juice is used as remedy for opacity of cornea. Root is sedative,
		Benth.		reduces hypertension.
4	Asclepiadaceae	CalotropisproceraBr.	Madar	Flowers are used in cold, cough and Asthma Powdered Root bark
				used in dysentery. Fresh leaves in ulcer and as wormicidal.
5	Acantahceae	AdhatodaVasicaNees	Adusa	Leaf decoction is used in cough bronchitis and rheumatism.
6	Acantahceae	Hygrophilaauticulata(Schum)	Talmakhana	
				dropsy, rheumatism and urinogenital disorder
L	A .d	A 1 T	C1: 1:0	77 1 1 1 1 1 1 1
7	Amaranthaceae	A chyran the saspera L.	Chirchitta	Used in cough and its decoction is given in renal dropsy and
				bronchial infection treatment of phyrrhoeafever, enlargement of liver and spleen.
8	Bombacaceae	Bombaxceiba L	Semur	Root is stimulant, tonic and chiefly given in impotency.
9	Combretaceae	Terminalia arjuna(Roxb.)	Arjun	Bark infusion used in heart troubles and leaf juice in earache,
	Comorciaceae	Wt. & Am.	7 tijuli	hypertension and as diuretic and has tonic effect in cirrhosis of
		**************************************		lever.
10	Cucurbitaceae	Cocciniagrandis(L). Voigt	Kundru	Juice from leaves and roots is used in diabetes.
11	Cactaceae	Opundtiaelatior. Mil.	Nagphani	Baked fruit is given in whooping cough and a syrup of the fruit
		-	<u> </u>	increases secretion of bile.
12	Caesalpiniaceae	Cassia fistula L.	Amaltash	Root with black pepper and leaves of kathal applied to cattle for
				giving relief to swollen throat.
13	Caesalpiniaceae	Cassia tora L.	Chakwda	Leaf and seeds used in skin disease for ring worm and itch.
14	Convolvulaceae	CuscutareflexaRoxb.	Amarbel	Seeds used in ulcer and liver disorders.
15	Dipterocarpaceae	Shorearobusta Gaertn f.	Sal	Resin is used in skin diseases, diarrhea anddysentery.
16	Fabaceae	Butea monosperma(Lamk)	Palas	Seeds are internally administerd as an anthelmintic in treatment of
		Tamb	a1 ! 1	round worms. Gum is used in treatment of diarrhoea.
17	Fabaceae	DalbergiasissooRoxb	Shisham	Decoction of leaf Useful in gonorrhoea.
18	Fabaceae	Mucunapruriens(L) DC	Kemmach	Root used in paralysis seeds are used as nervine tonic, menses
				troubles and as vermifuge, strong infusion of roots mixed with
19	Lythraceae	LawsoniainerdmisL.	Mehndi	honey is given in cholera. Lea paste or decoction used as gargle in sore throat, burns, bruises
17	Буппассас	Lawsomameramist.	ivicillui	and skin inflammation, Seeds useful in urinary troubles.
20	Lamiaceae	Leucascephalotes(Wild.)	Gumi	Leaf used as digestive antiseptic and earache and fever. Flowers are
20	Lamaceae	(Roth) Spr.	Guilli	used in cough and cold.
21	Lamiaceae	Ocimumamericanum L.	Kali tulsi	Leaf decoction is given in Maleria and abdominal diseases.
22	Menispermaceae	Tinosporacordifolia(L.)Merr	Gurch	Root extract is fever, cold cough, as blood purifier, in acidity and
	1			jaundice.
23	Meliaceae	Azadirachtaindica A. Juss	Neem	Bark, leaf and fruit decoction is antiseptic and used in ulcer, eczema
				and skin diseases.

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24	Mimosaceae	Acacia nilotica (L.) Del.	Babul	Bark used in diarrhea, dysentery and diabetes.
25	Mimosaceae	Albizdialebbeck(L.)Willd	Siris	Bark and seeds given in piles and diarrhea.
26	Nyctaginaceae	Boerhaaviadiffusa L.	Punarnava	Root is laxative and used in asthma, jaundice and dropsy.
27	Papaveraceae	ArgemonemexicanaL	Pilikateli	Stem latex used in dropsy, jaundice and conjunctivitis.
28	Papaveraceae	Papaver somniferumL	Afeem	Flower, fruits and Seeds have pain releasing and sleeping effects and useful in irritating cough, pneumonia, ulcers, gastritis and influenza
29	Rutaceae	Aegle marmelos (L)Corr	Bel	Fruits is given in diarrhea dysentery irriation of alimentary canal, fever and as tonic and cooling agent.
30	Sapotaceae	Madhucalongifolia(Koen) Mac Br.	Mahua	Decoction of bark is used in incurring bleeding gums and ulcers. Flowers are used in cough and bronchitis.

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