ETHNO-MEDICINAL PLANTS AND THEIR USES IN TREATMENT OF VARIOUS DISEASES BY RURAL TRIBES OF SARGUJA REGION

1 Abstract

The kingdom of Chhattisgarh in India is one of the exceptional representatives of the Deccan peninsular biogeographic location that gets deciduous forests wealthy in biodiversity. India is one of the 12 Mega 6 Biodiversity Centers within side the international 7 with wealthy flowers with 47000 plants, a huge form of species and medicinal plants, a culture of plant-9 primarily based totally understanding disbursed 10 throughout a huge range of ethnic organizations have lived with inside the forests of Chhattisgarh 12 considering the fact that ancient instances Important tribes of the kingdom are: Gond, Korwa, Oraon, 14 Munda, Baiga, Nagesia, Agariya etc. The way of life 15 of the tribal human beings relies upon at the land. Agriculture, hunting, fishing, series of wooded area 17 products, bamboo paintings or any form of labour is their livelihood and those tribal and non-tribal 19 organizations meet their everyday wishes from the encompassing wooded area resources. About forty four tribal groups stay within side the kingdom of 22 Chhattisgarh. About forty four% of the geographical place of Chhattisgarh State is below numerous varieties of forests with wealthy plant diversity, lots 25 of those species are of ethno-botanical importance. In 26 order to preserve and keep the herbal populace of 27 those ethno-botanical species in addition to to satisfy their requirements, the Chhattisgarh State Minor 29 Forest Produce Cooperative Federation has been which offers established, with numerous conservation, improvement and livelihood problems on the kingdom level.

33 Introuction

The take a look at vicinity is positioned with inside the Surguja district with inside the northern a part of the Indian kingdom of Chhattisgarh. It is positioned among 23°37`25" to 24° 6'17" north range and 81°3.4'40" to 84°4'40" east longitude. 244.sixty two 39 km (152.00 m) lengthy east to west and 67.37 km (41.86 m) extensive north to south, the land has a place of approximately 5,732 km2. (2,213 sq mi).

42 The general wooded area and tree cowl is 24.sixty 43 two% of the full vicinity of the country. The general wooded area cowl is 7,75,228 sq km that is 21.71% 44 45 of the geographical vicinity of the country. The tree 46 cowl is 2.91% of the geographical vicinity of the 47 country. In Surguja, rainfall varies among 100-two 48 hundred cm. The common annual temperature is 260 49 ° C-270 ° C and humidity 60-80% ensuing in 50 monsoon deciduous forests. The tree of such forests 51 shed their leaves throughout spring and early summer 52 time season whilst the garage of water is extra acute. 53 Reduction of sub-soil water tables now no longer 54 sufficient to permit the timber to maintain their 55 leaves all of the 12 months around.

Geographical	Forest Area (Area in sq. K.m)				
Area (Area in sq.Km.)			Protecte d Forest	Uncategoriz	
3,287,469			2,12,259		

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57 Recorded Forest Areas (RFA) in India as per ISFR-58 2021.

59 Plants have been used for medicinal purposes almost as long as humans have been alive. People in the 61 study area use medicinal recipes in their daily lives. In a region where the majority of the population is a 62 63 migrant, not a tribe, the use of herbal remedies is 64 common. Traditional medicine practitioners 65 (Vaidyas, Ojhas, Gunias or Sirhas) suggest that the 66 following medicinal plants are used by the local 67 people in the study area: Asparges racemos, 68 Terminalia chebula, Equine marmellus, Acacia 69 catechu, Diospyros melanoxylan forum, Ocembo., 70 Dioscorea bulbifera and Calotropis gigantea. Ficus 71 religiosa and Butea monosperma. It is mainly used 72 to treat common problems like malaria (fever), 73 cough, skin diseases, toothache, wounds, ulcers, heart 74 diseases. U.I.T. Good for infections, skin diseases. epileptic seizures, liver complaints, tonic for 76 bronchitis, impotence, diuretic, antidiarrheal, 77 stomach ailments, digestive problems, dysentery, 78 bow, bow, oral gum disease, eye disease, as 79 medicine, the cancer roots and seeds for tonic Tung-80 tree (Vernicia fordii) Although it is considered poisonous, there are some places. It is used to treat 81 82 diabetes, including fruits and seeds, ulcers, swelling, 83 scorpion stings. Laxative, urinary tract disorders, inflammation, astringent, flatulence, hemorrhoids, 84 eye irritation, oral dewormed, etc. 85

Chatterjee (2014) studied the medicinal plants used among the tribes of Sarguja region (C.G.) and found that the Surguja people developed extensive knowledge about plants. Some plants are said to be used for specific purposes (such as joint pain, kidney stones, worms, allergies, malaria, impotence, etc.). The plants used for the successful treatment of respiratory diseases by the Uraon people of Sarguja district of Chhattisgarh are similar to those studied by such workers (Aniwal et al. (2006); Chandel et al. (1996); Focho et al. (2009). This study showed that using local plants and shrubs as medicine not only cures the diseases of the travelers but is very valuable for the migrant population.

100 Review of Literature

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The people of Sarguja have found. The social 101 102 services they have been fulfilling since ancient times 103 through their traditional activities. This irreplaceable 104 knowledge must be recorded quickly. Traditions may 105 disappear with the rise of modernity. The use of 106 certain herbs for certain reasons (such as joint pain, 107 kidney, worms, allergies, malaria, weakness, etc.) is 108 limited to only certain people, and most of the time 109 they are reluctant to share their knowledge with 110 outsiders.

111 R. et al. (2022) identified 93 useful 112 medicinal plants belonging to 55 genera and 85 113 genera of which Euphorbiaceae and Asteraceae 114 families were widely used in the region. This study 115 supported the hypothesis of random selection of 116 medicinal plants. Among the plant parts, the leaves 117 are the most used. An ethno-medicinal study of 118 medicinal plants used by the Mizo tribes of 119 Champhai District, Mizoram, India.

Khajuria et al. (2021) included a total of 236 species belonging to 80 families and 188 genera for the treatment of 82 diseases. Asteraceae (23 species), Rosaceae (16 species) and Lamiaceae (13 species) were the most common families. Medicinal plants (57.2%) were the most consumed live form, while leaves (24.5%) were the main part of the plant.

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141 Sanigrahi (2013) researched the traditional 142 knowledge of medicinal plants and stated that 143 indigenous traditional knowledge is a collection of 144 non-written and verbal knowledge that is passed 145 down from generation to generation, It is done by the 146 people of the iwi, from the forest, fern. . The red clay 147 background of Purulia district in W.B. Traditional 148 knowledge is based on eco-friendly health methods 149 with few side effects and low costs.

150 Benoham et al (2006) reviewed medicinal 151 with potential antidiabetic activity 152 identified 176 species belonging to 84 families, 153 demonstrating the importance of medicinal plants in 154 the treatment of diabetes. The families are 155 Leguminoseae (11 species), Lamiaceae (7 species), 156 Liliaceae (8 species), Cucurbitaceae (7 species), 157 Asteraceae (6 species), Moraceae (6 species), 158 Rosaceae (6 species), Euphorbiaceae (5 species). and 159 Araliaceae (5 species), the most studied species are: 160 Citrullus colocynthis, Opuntia streptacantha L. (Cactaceae), Trigonella foemum greacum 161 L. 162 (Leguminosea), Momordica charantia L. 163 (Cucurbitaceae), Ficus bengalensis L. Polygala senega L. .(Polygalaceae) and Gymnema sylvestre 164 165 R. (Asclepiadaceae).

166 Painkra et al (2015) reported 50 medicinal 167 plant species belonging to 29 families, Euphorbiaceae 168 being the largest recorded family with 4 plant species 169 (8%). Shrubs show the most presence (34 percent), 170 followed by trees (32 percent), medicinal plants (20 171 percent) and climbers (14 percent) in the assessment 172 of the knowledge of medicinal plants and their use in 173 the nomadic region of Jashpur (Chhattisgarh) 174 provided by them.

175 Ahirwar (2015) studied the Boridand forest 176 of Korea district, Chhattisgarh, India and reported 41 177 plant species belonging to 26 families and 37 genera, 178 of which 10 are herbaceous plants, 8 are small trees, 179 19 trees and 4 riders in the field. Plant species such as 180 Abrus precatorius, Achyranthes aspera, Adhatoda 181 vesica, Aegle marmelos, Andrographis paniculata, 182 Argemone mexicana, Dalbergia sisso, Butea 183 monosperma and others dominated the area.

184 Research and methedology

- 185 The study area is Bhagwanpur, Pahad Garment, 186 Pandonagar, Latori, Namnakala, Udaypur, in Sarguja 187 district.
- 188 Data Collection - The field of study is important 189 for ethnographic studies which show the status 190 of various ethnic communities Gond, Baiga, 191 Oraun, Panika, Kurva, Rajwar, Pandu etc. The 192 questions were designed to identify basic plant 193 knowledge. The treatment of the local people, 194 the specimens of the recorded plants, shrubs and 195 trees were identified using the local flora and 196 historical documents, and many studies were 197 conducted and expatriates and local doctors.
- 198 Research Method – This is the main method of 199 collecting data from the local community and 200 Ayurveda Hospital in Ambikapur Government 201 District. Survey research is a commonly used 202 method of collecting information's about local 203 tribal peoples of interest. The main aim of the 204 survey was to gather information about the 205 different wild and native ethno-medicinal plant 206 species which are used by the local tribal people 207 of diseases. treatment Survey 208 identification and distribution of ethno-medicinal 209 plant species in Sarguja.

- 210 Tribal Community - Survival of ethnobotanical knowledge was evident in the abundant economic important data gathered in this study, from published and unpublished sources from historic and contemporary times, and from interviews with living elders belong to The district spread over a vast mountainous area inhabited by many different people groups such as the Gond, Bhumij, Oraon, Panika, Korwa, Bhuiya, Kharwar, Munda, Chero, Rajwar, Nagesia, and Santal
- 221 Target Groups - To gather specially target of 222 groups in my research works like; field survey, 223 local tribal people, different families of 224 medicinal plant and ethno-medicinal importance. 225 The Ethno-medicinal data were gathered from 226 the tribal medicine men, Baigas i.e Vaidyas, who 227 practices ethno-medicine among 228 communities since time immemorial. In my field 229 research, plants from different families of 230 medicinal plants were collected which are a 231 source of medicinal herbs for local people for 232 treating flu, jaundice, cold and cough, fever, 233 headaches, asthma, wounds, skin diseases, etc.

234 Result and discussion

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235 The results of the study are presented (Table 2) where 236 the plants are classified according to their culture. 91 237 species of plants belonging to 42 genera have been 238 recorded in Sargoja for medicinal purposes. For each 239 common name, their botanical name, family name, 240 meaning, medicinal properties and medicinal uses. 241 The actual use value for the plant species found in the 242 plant species used by the rural people or traditional 243 health practitioners (THP) were collected, identified 244 and recorded (Table 1.1). The highest nutritional 245 value for plant species was found in the Korva tribe 246 (18.7 percent) followed by the Oraun tribe (15.4 247 percent). The most edible family is Fabaceae 248 (13.19%), followed by Euphorbiaceae (7.70%), 249 Apocynaceae (6.60%), Zingiberaceae (5.50%),250 Combretaceae, Moraceae (4.40% each), Acanthaceae, 251 Anacardiaceae 3.0%.) Amaranthaceae, Asparagaceae, 252 Asteraceae, Cruciferae, Menispermaceae, Myrtaceae, 253 Poaceae, Rutaceae, Sapotaceae (2.19%),254 Annonaceae, Apiaceae, Araceae, Asclepiadaceae, 255 Lamioxidea, (Asphodelaceae), Cyvolaceae, 256 Lythraceae. Meliaceae, Moringaceae, Musaceae, 257 Oleaceae, Papaveraceae, Rhamnaceae, Rubiaceae, 258 Sapindaceae, Verbenaceae, Vitaceae (1.10% each). 259 The types of plants used in the preparation of 260 traditional medicine are shown in (Figure-1). It was 261 determined that trees (38.6%) were the most common 262 plants, followed by shrubs (27.47%), medicinal 263 plants (24.17%). and climbers (9.90%).

fig 1: life form of medicinal plant in study site

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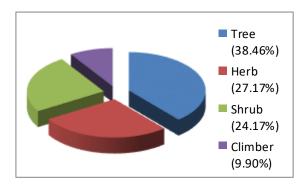


Table 1: medicinal plant species families

Sr.No.	Family Name	No of species	Percenta ge(%)	
1.	Fabaceae	12	13.19	
2.	Euphorbiaceae	07	7.70	
3.	Apocynaceae	06	6.60	
4.	Zingiberaceae	05	5.50	
5.	Combretaceae	04	4.40	
6.	Moraceae	04	4.40	
7.	Acanthaceae	03	3.30	7
8.	Anacardiaceae	03	3.30	/
9.	Malvaceae	03	3.30	
10.	Solanaceae	03	3.30	
11.	Amaranthaceae	02	2.19	
12.	Asparagaceae	02	2.19	
13.	Asteraceae	02	2.19	
14.	Cruciferae	02	2.19	
15.	Menispermaceae	02	2.19	
16.	Myrtaceae	02	2.19	
17.	Poaceae	02	2.19	

18.	Rutaceae	02	2.19
19.	Sapotaceae	02	2.19
20.	Annonaceae	01	1.10
21.	Apiaceae	01	1.10
22.	Araceae	01	1.10
23.	Asclepiadaceae	01	1.10
24.	Convolvulaceae	01	1.10
25.	Cucurbitaceae	01	1.10
26.	Cyperaceae	01	1.10
27.	Dipterocarpaceae	01	1.10
28.	Ebanaceae	01	1.10
29.	Hypoxidaceae	01	1.10
30.	Lamiaceae	01	1.10
31.	Liliaceae	01	1.10
32.	Lythraceae	01	1.10
33.	Meliaceae	01	1.10
34.	Moringaceae	01	1.10
35.	Musaceae	01	1.10
36.	Oleaceae	01	1.10
37.	Papaveraceae	01	1.10
38.	Rhamnaceae	01	1.10
39.	Rubiaceae	01	1.10
40.	Sapindaceae	01	1.10
41.	Verbenaceae	01	1.10
42.	Vitaceae	01	1.10
	Total	91	100

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Table no. 2 List of documented meicinal plant's

	TREE'S							
S.n	Common name	Botenical name	Family	Uses				
1	Bael	Aegle mormelos	Rutaceae	Clean stomach Relief in head pain				
2	Bargad	Ficus benghalensis	Moraceae	Weakness				
3	Aam	Mangifera indica	Anacardiaceae	Syphilis, wounds and ulcers				
4	Mahua	Madhuca indica	Sapotaceae	Cooking and adulteration of Ghee				
5	Harra	Terminalia chebula	Combretaceae	Cough				
6	Bahera	Terminalia bellirica	Combretaceae	Cough and digestive.				
7	Munga	Moringa oleifera	Moringaceae	Blood pressure balance				
8	White fig	Ficus infectoria	Moraceae	Dysentery				
9	Amrud	Psidium guajava	Myrtaceae	Eye infection, Stomach pain				
10	Semal	Bombax ceiba	Malvaceae	Dysentery.				

11	Karanj	Pongamia Pinnata	Fabaceae	Itching, Cough, piles, liver pain and skin irritation
12	Aonla	Emblica officinalis	Euphorbiaceae	Jaundice disease Asthma and digestion problem
13	Sapota	Manilkara zapota	Sapotaceae	anti- inflammatory
14	Chhatiyan tree	Alstonia Scholaris	Apocynaceae	Breast/chest pain
15	Rohini	Mallotus Philipinensis	Euphorbiaceae	Pain relief
16	Nimbu	Citrus limonum	Rutaceae	Antipyretic cold and stomachic
17	Tendu	Diospyros melanoxylon,	Ebanaceae	Gives relief from diarrhea
18	Neem	Azadirachta indica	Meliaceae	Gives relief from diarrhea. Treatment of Diabetes
19	Dhawa	Anogeissus lantifolia	Combretaceae	Gives relief from diarrhea.
20	Jamun	Eugenia jambolana	Myrtaceae	Treatment of Diabetes

21	Amaltash	Cassia fistula	Eshages	Bark for] [29	Palas	Dutas
21	Amaitasn	Cassia fistula	Fabaceae	glands, Laxative, Leprosy, Skin disease		2)	Palas	Butea monospe
22	Arjun	Terminalia arjuna	Combretaceae	For snake bite, Cardiovascul ar disease, congestive		30	Pipal	Ficus rel
23	Babool	Acacia nilotica	Fabaceae	Toothache, antiseptic for wounds, Dysentery		31	Sal	Shorea r
24	Char	Buchanania lanzan	Ancardiaceae	Tonic, Astringent, Coiling, Depurative constipating				
25	Gamhar	Gmelina arboria	Verbenaceae	Ulcer, Asthma, stomach		32	Shisham	Dalbergi
26	Goolar	Ficus glomarata	Moraceae	Ulcer, asthma, stomach		33	Siris	Albizia l
27	Haldu	Adina cordifolia	Rubiaceae	Bark for Dysentery, Bruises and wounds.		34	Sitafal	Annona squamos
28	Kusum	Schleichera oleosa	Sapindaceae	Analgesic, Antibiotic				

29	Palas	Butea monosperma	Fabaceae	Urinary disorder, worms, diabetes, inflammation , Astringent cosmetics, Piles
30	Pipal	Ficus religeosa	Moraceae	Diarrhea, Piles, Eye trouble, Mouth Ulcer
31	Sal	Shorea robusta	Diptero- carpaceae	Fruit for dysentery and Scorpion weakness, Diabetes, Nerve complaints
32	Shisham	Dalbergia sissoo	Fabaceae	Skin disease, Dysentery, Gonorrhea, Itching
33	Siris	Albizia lebbek	Fabaceae	Antitode, Asthma, Piles, Diarrhea
34	Sitafal	Annona squamosal	Annonaceae	Constipation, Vomiting, Cough, Purgative

35	Tund	Vernicia fordii	Euphorbiaceae	The tund tree is poisonous in all of its parts, including the fruit and the seeds
		HER	B'S	
Sr. No.	Common name	Botanical Name	Family	Usese
1	Ashwagand ha	Withania somnifera	Solanaceae	fat control and enhance force
2	Ghrit kumari	Aloe vera	Liliaceae	Skin protection
3	Baraira	Sida acuta	Malvaceae	Ring worm
4	Beng sag, Brahmi buti	Centella asiatica	Apiaceae	Increase hungriness
5	Aakand (aok)	Calotropis gigantea	Apocynaceae	Fevers, rheumatism, indigestion
6	Safed musli	Chlorophytum borivilianum	Asparagaceae	Sexual enforcement
7	Mirch	Capsicum annum	Solanaceae	Teeth pain, Hyper- lipidemia
8	Mustard	Brassica compestris	Cruciferae	Antimicrobial , skin diseases and cold
9	Bhanwar malli (Parijat)	Nyctanthes Arbor-tristis	Oleaceae	Fever

10	Lajwanti	Mimosa pudica	Fabaceae	Stomach problem
11	Satyanashi	Argemone maxicana	Papaveraceae	Leprosy and skin-diseases
12	Castor	Ricinus communis	Euphorbiaceae	Jaundice
13	Tulsi patta	Ocimum sanctum	Lamiaceae	Fever and cough
14	Tikhur	Curcuma angustifolia	Zingiberaceae	Stomach problem
15	Lal bhaji	Amaranthus cruentus	Amaranthaceae	Women fertility and mouth ulcer
16	Jharberi	Ziziphus nummularia	Rhamnaceae	Gives relief from diarrhea
17	Bans	Dendrocalamus strictus	Poaceae	Antifertility agent, Astringent
1	Gurhal	Hibiscus rosa sinenses	Malvaceae	Alopecia
19	Kaner	Nerium indicum	Apocynaceae	Swelling, Skin disease, ulcer, Bronchitis
20	Karonda	Cassia carandus	Apocynaceae	It sometimes used in treatment of anemia anti scorbic

21	Mehandi	Lawsonia	Lythraceae	Skin
		inermis		disease,
				Hair tonic,
				Burning
22	Ratanjot	Jatropha carcus	Euphorbiaceae	Ulcer,
				Tuemor,
				Constipatio
				n
		HERB		
Sr.	Common	Botanical Name	Family	Usese
No.	name			
1	Bhui-neem	Andrographis	Acanthaceae	Malaria fever
		paniculata		and
				purification
				of blood
2	Banana	Musa	Musaceae	Leprosy,
		paradisiaca		fevers and
				hemor-
				rhages
				Diarrhea
3	Raksha	Strobulanthus	Acanthaceae	Stomach
	Karun	heyneanus		pain of
	kurunji			animal
4	Dub ghas	Cynodon	Poaceae	Increase
		dactylon		hungriness
5	Chirchita	Acaranthus	Amarantha-	Pain killer,
		aspera	ceae	Liver
				problem
6	Motha	Cyperus	Cyperaceae	Ulcer
		rotundus		
	i	l	1	

		ſ	7	Vanhaldi	Curcuma	Zingiberaceae	Gives relief
	Skin				aromatica		from
	disease,						diarrhea.
	Hair tonic,		8	Haldi	Curcuma	Zingiberaceae	Body strain,
	Burning				longa		Ulcer and
	Ulcer,						skin
	Tuemor,						treatment, Pain killer
	Constipatio	-	9	37.11	D I	G :G	
	n		9	Muli	Raphanus	Cruciferae	Jaundice
	Usese	-	10	DI	sativus	G 1	A .:
	Usese		10	Dhatura	Datura	Solanaceae	Anti- dandruff.
\dashv	Malaria fever	-	11	DI : I	stramonium,	F 1 1:	
	and		11	Bhuiaonla	Phyllanthus niruri,	Euphorbia- ceae	Gives relief from
	purification				miruri,	ceae	diarrhea
	of blood		12	Akarkara	Anacylus	Asteraceae	Tonic for
	Leprosy,		12	Akarkara	pyrethrum	Asteraceae	nervous
	fevers and				pyreunum		system,
	hemor-						Digestion
	rhages						relieves
	Diarrhea						toothache and
							aphrodisiac
	Stomach		13	Anantmool	Hemedensmu	Apocynaceae	Blood
	pain of				s indicus		purifier,
	animal						bronchitis,
	Increase						skin disease,
	hungriness						Purgative,
	Pain killer,						Antiviral,Boi 1 Ringworm.
	Liver	-	14	Bach	Acorus	Araceae	Stomachic,
	problem		17	Dacii	calamus	Araceae	Purgative,
1	Ulcer				Caranius		Anthelmintic
							, Fever,
							Gastric,

				Urinary
				Problem
15	Charota	Cassia tora	Fabaceae	Dermatiosis, Cough and respiratory disease, Skin disease
16	Flemengia	Flemengia vestita	Fabaceae	Treatment of soft bodied intestinal worms
17	Giloy	Tinospora cordifolia	Menisper- maceae	Immunomod ilator, antioxidant, Piles, Prevent Respiratory illness,
18	Hazardana	Phyllanthus niruri	Euphorbia- ceae	Jaundice, Gonorrhea, Swelling, Itching, Skin ulcer, Frequent menstruation
19	Kachnar	Bauhinia variegata	Fabaceae	Piles, Cough and asthma, Diarrhea and thyroid
20	Kalimusli	Curculigo orchiodes	Hypoxidaceae	Jaundice, skin ailments, anticancerou

1					s potential.			
	21	Kalmegh	Andrographis	Acanthaceae	Blood			
			paniculata		purifier,			
			pameatata		jaundice,			
					fever,			
					diabetes			
	22	Keukand	Costus	Zingiberaceae	Burning,			
			speciosus		Skin disease,			
					bronchitis,			
					fever,			
-		. 1			stimulant			
	23	Lajwanti	Mimosa	Fabaceae	Allergy,			
			pudica		Ulcer,			
					Bleeding,			
					Asthma			
	24	Sarpgandha	Roulfia	Apocynaceae	Blood			
			serpentine		pressure.			
					Malaria,			
					Ulcer, Snake			
					Bite, Joint			
					pain, Nerve			
					complaints			
	25	Sankh-	Convolvulus	Convol-	Brain			
		pushpi	prostratus	vulaceae	tonic,Antiast			
					hmatic,			
					antidysentric			
					, bronchitis,			
	CLIMBER'S							
	Sr. No.	Common name	Botanical Name	Family	Usese			
1 1			A	A	E-f			
	1	Shatavari	Asparagus	Asparagaceae	Enforceme			
	1	Shatavari	recemosus	Asparagaceae	nt of			

2	Chinhaur / Murva	Marsdenia tenacissima	Asclepiadaceae	Gives relief from diarrhea
3	Kapur Kachri	Hedychium spicatum	Zingiberaceae	Sexual enforceme nt
4	Hadjod	Cissus quadrangular	Vitaceae	Bone fracture
5	Samdudri	Elephantopus scaber	Asteraceae	Bone fracture
6	Padhi	Cissampelos Pareira	Menisper- maceae	Anti- poisonous, Fever
7	Sattar kowa	Morus alba	Moraceae	Stomach pain
8	Kheera	Cucumis sativus	Cucurbitaceae	Cure to kidney stone
9	Gumchi	Abrus precatorius	Fabaceae	Gives relief from diarrhea

Conclusion - Total 91 plant species belonging to 42 families' plants species are used by the rural tribes or traditional healthcare practitioners (THP) were collected, identified and documented. A total 30 people were interviewed. More than 90% of the respondents were male. Data on botanical name, vernacular name, family, common name, habit, habitat are documented for their healing properties in Sarguja. Vernacular names are

names that are called locally, Common names of plants were given mostly in Hindi and some were in English, etc.

The most important medicinal plant species are Fabaceae, Euphorbiaceae, Apocynaceae, Zingiberaceae, Combretaceae, Moraceae, Acanthaceae, Anacardiaceae, Malvaceae, Solanaceae, Amaranthaceae, Asparagaceae, Asteraceae, Cruciferae, Menispermaceae, Myrtaceae, Poaceae, Rutaceae, Sapotaceae, Annonaceae, Apiaceae, Araceae, Asclepiadaceae, Convolvulaceae, Cucurbitaceae, Cyperaceae, Dipterocarpaceae, Ebanaceae, Hypoxidaceae, Lamiaceae, Liliaceae (Asphodelaceae), Lythraceae. Meliaceae, Moringaceae, Musaceae, Oleaceae, Papaveraceae, Rhamnaceae, Rubiaceae, Sapindaceae, Verbenaceae, Vitaceae. Analysis of medicinal plant types used as medicinal plant indicated that about 35 are trees, 25 are herbs, 22 shrubs and 9 climbers.

Traditional Practice and preparations of ethno-medicine by traditional healers

Traditional ethno-medicine prepared by traditional healers in the formof Decoction, Extract, Fresh Juice, Paste, Pills (Tablets), Powder, Fumigation, Infusion Ointment (Unguent) etc.

- **Jaundice**: mix the juice of lemon, mango root, Bija bark and give it to drink for 10 days
- **Bone fracture:** hadjod paste is applied in the fractured area and its juice is given in the evening for 5 or 7 days.
- **Dysentery:** mixing the peel of mango in 50 gm. of lime is and given to drink

- Joint pain: Making the juice of mothagrasse root for relief joint pain.
- **Vomiting :** 1 lemon + $\frac{1}{2}$ half tea spoon salt.
- **Shingles:** mixing Tutiya + lemon juice or sulfer stone +oil is applied in the shingle area.
- **Kideny stone**: Use the juice of papaya root 15 day continuously.
- **Diabetic**: Use regularly juice of neem bark in small amount.

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