

Ubeshwar Mahadev Flora with special reference to Ethnobotanical Aspect

Dr. Nasreen Banu

Dept of Botany, Government Meera Girls' College, Udaipur

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ABSTRACT

The present study was conducted in Ubeshwar Mahadev for documentation of floral diversities and their economic uses with a number of Angiosperms and Pteridophytes. During the study period; 24 herbs, 13 shrubs, 20 trees, 3 climbers, 8 grasses and 4 Pteridophytes have been reported from the area which have respective numerous benefits.

INTRODUCTION

Man has always been dependent upon plants for the necessities for his survival, not only for food, fodder and fuel but also for medicines, fibres, chemical products and other commodities. The landscape around Ubeshwar Mahadev is considered sacred and preserved as groove. Around the temple trees of *Mangifera indica*, *Phoenix sylvestris* and *Ficus religiosa* are planted long back. Temple is located in the midst of Ubeshwar reserve forest, a part of Udaipur (East) range which comes under jurisdiction of Udaipur (North), forest division with 150 hectare area.

It is situated at an altitude of 2870 ft. Above MSL and lies between latitude 24° 37' 7.9" East and longitude 73° 33' 39.9" North. This area is a tribal dominated area with the population of 5000 to 6000 people of Bhil, Meena and Garasiya tribes. It

is situated at a distance of 20 Km from Udaipur city in western side and present on Udaipur – Dodawali Road.

METHODOLOGY –

Field survey were made at Ubeshwar Mahadev for last 2 years. The survey was conducted in the form of interviews with local population in all the seasons. Specimen of plants was collected from the site for authentication of information by forest officials.

RESULT AND DISCUSSION-

Various habit forms of plants are available in the groove. An exhaustive list of plants found in the region have been presented in a tabular form. (Table 1)

Table 1: Floral diversity of Ubeshwar Mahadev

S.No	FAMILY	BOTANICAL NAME	LOCAL NAME	LOCAL USES	HABIT
1	Menispermaceae	<i>Cocculus hirsutus</i> (Linn.) Diels	Bajar-bel, Van-veela	Medicine	Climbers/ Lianas
2	Nelumbonaceae	<i>Nelumbo nucifera</i> Gaertn.	Kamal	Ornamental	Herb
3	Capparaceae	<i>Capparis sepiaria</i> Linn.	Katar, Kali katar, Kanther	Fuel, fencing material, food	Shrubs of grove
4	Flacourtiaceae	<i>Flacourtia indica</i> (Burm.f.) Merrill	Kanju, kankair, Kanker	Fuel, medicine, food	Shrubs of grove
5	Sterculiaceae	<i>Helicteres isora</i> Linn.	Marorphali, Hateri, Atedi	Fuel, fibre, medicine, material for bastetry	Shrubs of grove
6	Tiliaceae	<i>Grewia asiatica</i> Linn.	Dhaman	Food, timber	Shrubs of grove
		<i>Grewia tenax</i> (Forsk) Fiori.	Gangir, Gangen, Ganger	Timber, fuel, food, medicine	Shrubs of grove
7	Malpigiaceae	<i>Hiptage benghalensis</i> (Linn.) Kurz.	Ameti	Agricultural equipments	Climbers/ Lianas

8	Rutaceae	<i>Aegle marmelos</i> (Linn.) Corr.	Bel, Bili	Fodder, food, medicine, religious use	Tree
		<i>Gardenia turgida</i> Roxb.	Padiri	Medicine	Tree
9	Rhamnaceae	<i>Zizyphus nummularia</i> (Burm.f.)Wt.& Arn	Chan bor	Fuel,food,fodder, medicine,	Shrubs of grove
10	Vitaceae	<i>Cayratia trifolia</i> (Linn.) Domin	Khatedi	-	Tree
11	Anacardiaceae	<i>Lannea grandis</i> (Houtt.) Merr	Godla, Golla	Fibre	Tree
		<i>Mangifera indica</i> Linn.	Aamb, Aam,Amboo	Timber, fuel,food,shade	Tree
12	Fabaceae	<i>Butea monosperma</i> (Lam.) Taub.	Khankra	Timber,fuel,fodder, food, fibre, medicine and gum. Leaves are used to make leaf-bowls and plates	Tree
		<i>Indigofera cordifolia</i> Heyne.ex.Roth.	Kakad	Food,medicine, soil conversation	Herb
13	Caesalpiniaceae	<i>Bauhinia racemose</i> Linn	Heetri	Timer, fuel,fodder, fibre,food,medicine	Tree
		<i>Cassia fistula</i> Linn	Amaltas,Bahawa,Garmale, Karmalo	Timber,fuel, medicine	Tree
		<i>Cassia tora</i> Linn.	Punwad, Punwaria	Medicine	Herb
14	Mimosaceae	<i>Acacia catechu</i> (L.f.) Willd	Khair, Khairia	Fuel,fodder, making pestle	Tree
		<i>Acacia leucophloea</i> (Roxb.)Willd	Rijua, Arunjhia	Timber,fuel,fodder, food, fencing material	Tree
		<i>Albizia lebbek</i> (Linn.) Benth	Siras,Saras, Kalia	Timber,fuel,fodder, medicine, religious use	Tree
		<i>Albizia odoratissima</i> (L.F.) Benth	Kala-siras, Kalia	Timber,fuel,fodder,	Tree
15	Combretaceae	<i>Anogeissus latifolia</i> (Roxb.) ex. DC. Wall.ex. Guill.& Perr	Dharva, Dho, Safed Dho	Timber,fuel,fodder, medicine, gum and handle of agricultural equipments	Tree
		<i>Terminalia bellirica</i> (Gaerth.) Roxb.	Bahera, Beda	Timber,fuel,medicine, wood for house making	Herb
16	Myrtaceae	<i>Eucalyptus</i> sp.	Safeda	Wood for house making	Tree
		<i>Syzygium heyneanum</i> (Duthie.) Wall.ex.Gamble	Makhan-jambu	Food, shade, temporary hut material	Tree
17	Rubiaceae	<i>Mitragyna parviflora</i> (Roxb) Korth	Kadamba	Timber,fuel,fodder,	Tree
18	Asteraceae	<i>Blainvillea acmella</i> (Linn.) Philipso	-	-	Herb
		<i>Tridax procumbens</i> Linn.	Tokariyo, kalal, kali, mehandi, Pebula-ka-mocha	Medicine	Herb
		<i>Zinnia elegans</i> Jacq.	Gal-phool	Religious use, put on between head and ear pinna	Herb

19	Ebenaceae	<i>Diospyros montana</i> Roxb.	Vangli, Vish-Tendu	Medicine, shade	Tree
20	Oleaceae	<i>Jasminum sambac</i> (Linn.) Aitt.	Mogra	Ornamental,religious use	Tree
		<i>Jasminum grandiflorum</i> (Linn.)	Chameli	Ornamental,religious use	Shrubs of grove
21	Apocynaceae	<i>Nerum indicum</i> (Linn.) Mill	Kaner	Ornamental	Shrubs of grove
		<i>Catharanthus roseus</i> (L.)G Don	Sada-bahar	Ornamental	Herb
		<i>Wrightia tinctoria</i> Roxb.R.Br.	Khirni, khanni	Timber, fuel, medicine, utensils	Herb
22	Periplocaceae	<i>Cryptolepis buchananii</i> Roem.&Schutt.	Dudhuli, Tikari-vel	Fibre	Climbers/ Lianas
23	Asclepiadaceae	<i>Calotropis procera</i> Br.	Aak, Aakra, Aakdo	Medicine, fodder	Shrubs of grove
24	Scrophulariaceae	<i>Bacopa monnieri</i> (Linn.) Wettst.	Brahmi	Medicine	Herb
25	Acanthaceae	<i>Dipteracanthus patulus</i> (Jacq.) Nees.	-	-	Herb
		<i>Acanthospermum hispidum</i> DC.	Kanti	Medicine	Herb
		<i>Lepidagathis trinervis</i> Wall.ex.Nees	Pathar-phor	Medicine	Herb
26	Verbenaceae	<i>Lantana camara</i> Linn.	Ghaneri, Bevan	Fuel	Shrubs of grove
27	Lamiaceae	<i>Leucas aspera</i> (Willd.) Link.	Piyari, Kaddiyo	Medicine	Herb
		<i>Ocimum canum</i> Sims.	Van tulsi	Medicine	Herb
28	Nyctaginaceae	<i>Boerhavia diffuse</i> Linn.	Lal-sata	Food, medicine	Herb
29	Amaranthaceae	<i>Pupalia lappacea</i> (Linn.) Juss.	-	-	Herb
30	Polygonaceae	<i>Polygonum glabrum</i> Willd	Saka	Medicine	Herb
31	Euphorbiaceae	<i>Bridellia retuse</i> (Linn.) Spreng	Lankpana, Lampan	Medicine, fodder	Tree
		<i>Euphoria caducifolia</i> Haines.	Danda thor	Fuel, food, medicine, live fencing	Shrubs of grove
		<i>Euphoria nerifolia</i> Linn.	Thor	Fuel,medicine, live fencing	Shrubs of grove
		<i>Jatropha curcas</i> Linn.	Ratanjot	Bio-fuel , live fencing	Shrubs of grove
32	Moraceae	<i>Ficus religiosa</i> Linn.	Peepal, Peepali	Timer, fuel,fodder, food,medicine	Tree
33	Orchidaceae	<i>Habenaria furcifera</i> Lindl.	-	-	Herb
		<i>Habenaria plantaginea</i> Lindl.	-	-	Herb
34	Commelinaceae	<i>Commelina benghalensis</i> (Linn.)	Bukana, Bokhanio	Food,medicine	Herb
35	Musaceae	<i>Ensete superbum</i> (Roxb.) Chees	Jangli kela, Magra kela	Food	Herb
36	Araceae	<i>Sauromatum pedatum</i> (Willd.) Schott.	Jangli Suran	Medicine	Herb

37	Areaceae	<i>Phoenix sylvestris</i> (Linn.) Roxb.	Khajoor	Fuel, food, fibre, fencing material, wood for house making	Herb
38	Poaceae	<i>Apluda mutica</i> Linn.	Bhango	Medicine, fodder	Grasses of the groove
		<i>Arthraxon prionodes</i> (Steud.) Dandiya	Undhari-grass	Fodder	Grasses of the groove
		<i>Brachiaria ramosa</i> (Linn.) Staph	Salki	Fodder	Grasses of the groove
		<i>Dendrocalamus strictus</i> (Roxb.) Nees	Bans, Vanhedo	Food (New shoot), fencing, medicine, house making, fodder	Grasses of the groove
		<i>Heteropogon contortus</i> (Linn.) P. Beauv	Suvaghass, Lapla, Sur wala	Medicine, fodder	Grasses of the groove
		<i>Paspalum dilatatum</i> Poir.	-	-	Grasses of the groove
		<i>Paspalum vaginatum</i> Swartz.	-	-	Grasses of the groove
		<i>Sehima nervosum</i> (Rottl.) Stapf	Heran	Food, fodder	Grasses of the groove
39	Pteridaceae	<i>Actinopteris radiata</i> (SW) Link	Mor pankhi	Medicine	Pteridophytes of the groove
		<i>Adiantum incisum</i> Forsk	-	Medicine	Pteridophytes of the groove
		<i>Cheilanthes farinose</i> (Forsk.) Kanlf	-	Tattooing	Pteridophytes of the groove
		<i>Marsilea minuta</i> Linn.	-	-	Pteridophytes of the groove

Ubeshwar Mahadev is a store house for rare plant species like *Sauromatum pedatum*, *Ensete superbum* and *Gardenia turgida*, riverine species like *Syzygium heyneanum*² and several terrestrial orchids like *Habenaria frucifera*, *Habenaria plantaginea* and *Eulophia ochreatea*³. So this is an abode of rare and endangered flora and fauna.⁴

CONCLUSION-

Ubeshwar Mahadev is a house to rich diversity of plant species which also include rare and endangered one. Further research and exploration of this region and the enormous applications of the floral diversity can be proved helpful to mankind in a number of ways.

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