



DOCUMENTATION OF MEDICINAL PLANTS OF MADHAV UNIVERSITY CAMPUS OF SIROHI DISTRICT, RAJASTHAN

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Abstract:- Various field trips were conducted the information about the plants was recorded using campus faculties, flora of Rajasthan and localities. Total 110 medicinal plants were collected from the study area. Of 110 species belonging 20 families were founded useful. The largest families Poaceae were represented 21 species followed by Fabaceae represented 12 sp. where 5 families represented 3 species. The present study to will be useful to campus students for further research and field works.

Key Words:- Madhav University, Medicinal Plant, Sirohi, Madhav Hills

1. INTRODUCTION

Man has been using plants from ancient time and research workers are constantly brings to some additional knowledge on the relationship between plant and man. The field very upon the study of ethnobotany plays imperative role because of the chance of direct contact for important information on the use of medicinal plants.

The information of medicinal plants have been accumulated in the course of many centuries based on the different Indian systems of the medicines. (pei; 2001). The madhav university campus area is the sacred place. The campus situated in such a place, which is outside of human habitations and usually have some protected devices. On the basis of geographical area and climatic condition plants survive to their specific habitat. Medicinal plants are the plants with potential capacity for treatment of varied disease and are utility by people from past (Rawat and Choudhary 1998) Ethnobotany focus on the knowledge of traditional use of the medicinal plants by local people (Hodges and Bennett, 2006). In the present investigation an attempt has been made to document the medicinal plants of Madhav university campus. This will become source for further research and field studies of campus.

In this report various medicinal plants grow naturally in this campus in rainy season all categories of peoples literates or illiterates, rich and poor of nearby the university campus use this type of medicinal plants in order to cure various disease.

2. MATERIAL AND METHODS

Regularly field observation were conducted in the study area (madhav university) during the period from august- 2016 to july- 2017 campus surrounding localities were selected for the folkloric knowledge on medicinal plants documentation. The information about the plants was recorded by means of discussions using standard questionnaire. (Ethnobotany cal society, 2010) with the informers along with the field visits during the collection hours. The documentation was done in the university campus with the present of our faculty members. The collected plant species were authentically identified with the help of floras, such as Flora of Rajasthan State (Sharma N., 2002), Hooker (1872-1888), Flora of Gujarat State (Shah GL, 1978) Medicinal uses were made with the help of Alam(1996), Bhattachariya (1989). Recorded medicinal plants were identified and listed following literatures.

3. RESULT & DISCUSSION

Results are shown in table No.1 among 110 numbers of plant species and their useful parts, and medicinal properties. A total no. of 110 species belong to twenty families were collected and identified. As a result these medicinal plants are used by a common people for curing various disease. The largest family Poaceae represented -21 species, followed by Fabaceae -12 sp., Asteraceae-10 sp., Apocynaceae-9, Moraceae-8, Solanaceae-3, Amaranthaceae-6, Euphorbiaceae-5, Lamiaceae-6, Malvaceae-5, Rutaceae-4, Combrataceae-3, Apiaceae-2, Asparagaceae-3, Verbinaceae-2, Sapotaceae-3, Cucurbitaceae-3, Cyperaceae-2, Ulmaceae-1, Areaceae-2. In the following enumeration, the species are arranged alphabetically.(table) obtained present study were compared with the available literature and found that many of the usages listed are not recorded earlier.

Table:-1. Documented Medicinal Plants of Madhav Hills with Scientific Name, Family, Local Name, Useful Parts and Medicinal Uses for each species.

No.	Scientific Name	Family	Local Name	Useful Parts	Medicinal use
1	Parthenium	Asteraceae	Kongres Ghas	Leaves	Skin Inflammation

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	<i>hysterophorus</i>			Root Flowers	Rheumatic Pain Diarrhea
2	<i>Ageratum conyzoides</i>		Mahkuva Got Khapatvar	Leaves Root	Rheumatism Headache, Fever
3	<i>Leontodon hispidus</i>		Banni	Leaves	Kidney Disorder Jaundice
4	<i>Acanthospermum hispidum</i>		Tharwad	Root Leaves	Antibacterial, Antifungal, Skin Ailments, Fevers
5	<i>Cyanthillium cinereum</i>			Leaves Root	Diuretic, Round-Worms, Thread-Worms Skin Diseases
6	<i>Launaea procumbens</i>		Jangli Gobi	Leaves	Kidney Disorders, Painful Urination, Gonorrhea Sexual Diseases
7	<i>Pulicaria crispa</i>		Dhola Lizru	Leaves	As A Vulnerary On Bruises, Headache
8	<i>Blainvillea acmella</i>		Akarkar Pipulka	Roots Leaves	Headache
9	<i>Xanthium strumarium</i>		Chota Dhatura	Whole Plant	Appetizer, Diaphoretic, Emollient, Laxative Malaria
10	<i>Tridax procumbens</i>		Khal Mriya	Whole Plant	Skin Diseases, Liver Disorders, Hepatoprotection Gastritis
11	<i>Catharanthus roseus</i>	Apocynaceae	Sadabahar Barmasi	Root Bark, Fruit Flowers	Hypertension, Asthma, Menstrual Irregularities Chronic Constipation, Diarrhea, Indigestion Malaria, Dengue Fever, Diabetes, Cancer Skin Disease
12	<i>Calotropis gigantea</i>		Akado Aak	Root, Leaves Latex Flower	Vomiting Skin Diseases
13	<i>Carissa carandas</i>		Karamda Karonda	Fruit, Stem Bark	Constipation Diarrhea
14	<i>Thevetia nerifolia</i>		Pili Kaner Pili Karen	Leaves, Bark, Root Flowers	Jaundice Fever Intestinal Worms
15	<i>Tylophora indica</i>		Antamul, Jangli Pikwan	Leaves, Root	Asthma, Bronchitis Whooping Cough
16	<i>Holarrhena antidysenterica</i>		Kurchi Kudaiya	Bark, Leaves, Seed Flowers	Skin Diseases Ringworm
17	<i>Tabernaemontana divaricata</i>		Tagar Chandni	Whole Plant	Fever, Pain Dysentery
18	<i>Plumieria scap</i>		Champa Gulchi	Bark, Leaves Flowers	Antifungal
19	<i>Calotropis procera</i>		Akado Aak	Leaves, Flower Bark	Cough Vomiting
20	<i>Amaranthus spinosus</i>	Amaranthaceae	Kanta, Chaulai Matla Bhaji	Leaves Root	Asthma, Bonesetting, Spasm Of Bronchitis Antiasthmatic
21	<i>Celosia spicata</i>		Kurdu Lal Murga	Whole Plant	Diarrhea Dressings For Boils
22	<i>Digera muricata</i>		Kanjaro Chanchali	Root, Stem, Seed Flower	Kidney Stone Urinary Tract Disorders

23	<i>Aerva sanguinolenta</i>		Karadia	Leaves, Root	Kidney Disease, Infections, Bladder Infections Headaches, Liver Disorders
24	<i>Chenopodium album</i>		Bathuwa	Leaves	Anthelmintic, Antiphlogistic, Antirheumatic
25	<i>Achyranthes aspera</i>		Apamarga Chichri	Whole Plant	Indigestion, Cough, Asthma, Anemia, Jaundice Snake Bite
26	<i>Trachyspermum ammi</i>	Apiaceae	Ajwain Ajmo	Leaves Seed	Asthma Fever
27	<i>Pimpinella anisum</i>		Choti Saunt	Seed, Fruit	Aromatic, Disinfectant, Diuretic
28	<i>Asparagus racemosus</i>	Asparagaceae	Satavari, Satavar	Root, Leaves	Upset Stomach , Constipations, Stomach Ulcers Fluid Retention, Pain, Anxiety, Cancer, Diarrhea Bronchitis, Tuberculosis
29	<i>Dracaena marginata</i>			Leaves	Headache, Healing
30	<i>Cordyline fruticosa</i>			Leaves	Blood Disorder, Urine Disorder
31	<i>Phoenix sylvestris</i>	Aracaceae	Khajoori	Fruit, Root	Fevers, Vomiting, Gonorrhea
32	<i>Colocasia esculenta</i>		Taro	Leaf	Fever, Internal Haemorrhages
33	<i>Terminalia catappa</i>	Combretaceae	Badam	Leaves, Bark, Root	Dysentery , Diarrhea
34	<i>Combretum indicum</i>		Madhumalti	Fruit, Seed, Leaves	Ulcers, Skin Infections, Fever
35	<i>Arjuna terminalia</i>		Arjun, Sadado	Bark	Chest Pain, Increased Heart Beats
36	<i>Cucurbita maxima</i>	Cucurbitaceae	Kaddu	Seed, Seed Oil, Pulp	Diuretic, Tonic And Vermifuge Dryopteris Felix-Mas Is For Pregnant Women, Debilitated Patients And Children
37	<i>Luffa acutangula</i>		Nenua	Fruit, Seeds, Leaf	Mouth Treating , Preventing Colds
38	<i>Mukia maderaspatana</i>		Agumuki	Leaves, Seed, Root	Antidiabetic , Phenolics
39	<i>Cyperus iria</i>	Cyperaceae	Motha	Rhizomes, root Tuber	Amenorrhoea, Menstruation, Diuretic Fever
40	<i>Cyperus rotundus</i>		Nut-Grass Korehi Jhar	Stem, Root	Fevers, Solar Dermatitis
41	<i>Euphorbia tithymaloides</i>	Euphorbiaceae	Kharsani Thor Naagphani	Leaves Root	Inflammatory, Antibiotic, Antiseptic, Antiviral
42	<i>Euphorbia neriifolia</i>		Sherkandwel	Latex , Root	Laxative, Purgativ, Leprosy, Asthma, Dyspepsia Jaundice
43	<i>Euphorbia hirta</i>		Dudhiya	Whole Plant	Female Disorders, Respiratory Ailments

					Worm Infestations In Children Dysentery Jaundice, Pimples
44	Phyllanthus niruri		Jungli Amla	Whole Plant	Kidney Stones, Gallstones, Liver Health Diabetes
45	Euphorbia milli			Flower, Leaves	Breathing Disorders, Asthma, Bronchitis Chest Congestion
46	Clitoria ternatea	Fabaceae	Koyala Aparajita	Root, Bark, Seed	Headaches, Delirium, Hysteria , Thyroid Disorders
47	Alysicarpus monilifer		Chauli, Sauri	Whole Plant	Coughs, Remedy For Dysentery And Colic
48	Senna alexandriana		Senai	Leaves, Fruit	Fungicide
49	Acacia senegal		Gund Humath	Gum	Cough Gastrointestinal
50	Senna tora		Panwar	Leaves, Seed, Root	Skin Disease
51	Pongamia pinnata			Karanj	Fruit, Seed Oil Leaves, Root Bark Stem
52	Delonix regia		Gulmohar	Leaves Bark	Antimicrobial, Anti-Diarrhea, Hepatoprotective Anti-Inflammatory, Antibacterial
53	Lablab purpureus			Stem, Flower, Seed	Antivinous, Cholera
54	Mimosa pudica		Chui-Mui Lajwanti	Leaves, Root	Wounds, Piles, Uterine, Diarrhea.
55	Pithecellobium dulce		Vilayati Amla Jangal Jalebi	Leaves Seed	Dysentery, Chronic Diarrhea, Tuberculosis Ulcers.
56	Clitoria ternatea		Koyala Aparajita	Root, Bark Seed	Headaches, Delirium, Hysteria Thyroid Disorders
57	Alysicarpus monilifer		Chauli Sauri	Whole Plant	Coughs Remedy For Dysentery And Colic
58	Clerodendrum inerme	Lamiaceae	Vilayati Mehindi	Leaves, Bark Root	Skin Diseases, Venereal Infections Elephantiasis Asthma, Topical Burns
59	Ocimum basilicum		Safed Tulsi Ram Tulsi	Leaves	Measles, Asthma Ulcers
60	Gmelina arborea		Sevan Gambhara	Leaves, Root, Bark Fruit, Flower	Improve Appetite, Hallucination, Piles, Abdominal Pains, Burning Sensations, Fevers, Urinary Discharge Headache, Ulcers
61	Vitex negundo		Nirgundi Sindvar	Leaves, 61Root Fruit	Epilepsy, Insomnia Brain Tonic
62	Ocimum sanctum		Tulsi	Root, Stem Leaves, Seed	Fevers, Cough, Respiratory Disorder Kidney Stone
63	Mentha piperita		Pudina	Leaves	Bead Breath, Food Poisoning

					Bloating, Laryngitis
64	<i>Ficus benjamina</i>	Moraceae	Pukar	Bark, Root Leaves	Skin Disorders, Inflammation, Piles Vomiting, Leprosy, Malaria
65	<i>Ficus macrophylla</i>		Kamarup Vatvruksa	Fruit, Latex Bark	Skin Diseases, Stomach Problem Nerves System
66	<i>Ficus religiosa</i>		Pipal	Stem Bark, Fruit	Asthma, Diabetes, Diarrhea, Epilepsy,
67	<i>Ficus benjamina</i>		Pukar	Bark, Leaves, Stem	Skin Disorders, Inflammation, Piles, Vomiting Leprosy, Malaria
68	<i>Ficus racemosa</i>		Umbro Gular	Fruit, Leaves Bark	Sugar Level, Immunity Enhanceimmunity
69	<i>Artocarpus heterophyllus</i>		Phanas Katahal	Leaves Root	Cancer High Blood Pressure
70	<i>Morus nigra</i>		Tut, Shetur	Leaves, Fruit Bark	Influenza, Eye Infections , Nosebleeds Urinary Incontinence, Asthma, Bronchitis Hypertension , Diabetes.
71	<i>Ficus carica</i>		Anjeer	Leaves, Fruit Root	Gastrointestinal , Respiratory Cardiovascular Disorders
72	<i>Ablemoschus esculentus</i>	Malvaceae	Bhindi	Root, Leaves, Seed	Catarrhal Infections, Ardor Urinae Dysuria , Gonorrhoea
73	<i>Corchorus capsularis</i>		Pattshag Pili-Chhunch	Leaves Fruit	Liver Disorders Dysentery
74	<i>Corchorus aestuans</i>		Chonch Lal-Chhunch	Leaves, Fruit Root	Appetizer, Carminative, Demulcent Laxative, Stimulant, Stomachic
75	<i>Helicteres isora</i>		Maror Phalli Mardashing	Root Fruit	Dysentery, Abdominal Colic Pain Intestinal Parasites
76	<i>Hibiscus rosa-Sinensis</i>		Jasud	Root, Leaves Flower	Urinal Problem, Baldness Fever
77	<i>Lasiurus scindicus</i>	Poaceae	Grass	Leaves	Skin Infection
78	<i>Dactyloctenium aegyptium</i>		Makra	Whole Plant	Skin Disease
79	<i>Cenchrus setigerus</i>		Grass	Leaves	Gastritis, Heartburn
80	<i>Cymbopogon flexuosus</i>		Coachin Grass	Leaves	Lemon Grass Oil Is Used In Muscle And Joint Pains
81	<i>Saccharum officinarum</i>		Ganna	Root, Stem	Jaundice, Leucorrhoea, Hiccups, Stones, Flu ,Cancer
82	<i>Pennisetum glaucum</i>		Bajara	Seed	Chest Disorders, Leprosy, Poisonings
83	<i>Zea maize</i>		Makka, Bhutta	Seed Oil, Pollen	Bladder Infections, Inflammation

					Inflammation Of The Prostate Kidney Stones, Bedwetting, Heart Failure Diabetes, High Blood Pressure
84	Erianthus arundinaceus		Ramsar	Leaves	Anti Septic
85	Vetiveria zizanioides		Khus, Khas	Roots	Blood Purifier, Skin Disorders , Nervous System
86	Chloris virgata			Leaves	Wounds Infection
87	Dichanthium annulatum		Jinjva, Jinzva	Leaves, Root	Vomiting
88	eleusine Indica		Andhannagli, Ukdo	Whole Plant	Hemoptysis, Diuretic
89	Digitaria longiflora			Leaves	Skin Disease
90	Cenchrus biflorus		Bhurut Sandhur	Whole Plant	Thirst, Bilioussness, Vomiting Leprosy, Skin Diseases
91	Eragrostis pilosa		Nani Fulkani	Leaves	Fever
92	Sehima nervosum			Leaf	Skin Disease
93	Chloris barbata		Airpot Grass	Leaves	Lymphomas, Childhood Cancers
94	Cynodon dactylon		Dub Graas	Whole Plant	Leucoderma, Bronchitis, Piles, Asthma, Tumors
95	Aristida purpurea		Tilpushpi	Leaves	Malaria Fever, Diabetes
96	Heteropogon contortus		Kumeria Lambh	Seed Root	Burns Problem, Wounds , Rheumatism, Diuretic
97	Triticum aestivum		Gahu	Leaves Seed	Antioxidant Capabilities
98	Citrus limon		Nimboo	Leaves Fruit	Citrus Lemon Is Used In ,Skin Problem Hair Problem , Brain Disorders
99	Murraya koenigii	Rutaceae	Kari Patta	Leaves	Anemia, Hepatitis, High Cholester
100	Aegle marmelos		Bael Patra	Fruit, Bark, Root	Chronic Diarrhea, Dysentery, Peptic Ulcers
101	Citrus medica		Matulumja	Fruit,Seed Leaves	Abdominal Colic, Digestive Disorders, Piles
102	Solanum surattense		Kantakari	Whole Plant	Cough, Cold, Asthma Respiratory Tract Conditions
103	Datura stramonium	Solanaceae	Dhatua Dhaturo	Leaves, Bark Seed	Diabetes , Liver Disorders, Diarrhea Hemorrhoids, Respiratory , Urinary Diseases
104	Withania somnifera		Ashwagandha	Root, Leaves Fruit	Blood Sugar, Blood Pressure, Vomating
105	Manilkara hexandra	Sapotaceae	Khirmi Rayan	Bark Fruit	Lungs Disease, Fever, Skin Problems Kidney , Bladder Stones Problem
106	Manilkara zapota		Chikoo	Fruit Seed	Inflammatory Diseases Anti-Inflammatory

107	<i>Madhuca indica</i>		Mahua Mahva	Flowers Seed Oil	Ascaris, Liver Congestion, Biliousness Ulcers, Piles
108	<i>Holoptelea integarifolia</i>	Ulmaceae	Papdo Chilbil	Bark	Vomiting, Wound Healing Lepros
109	<i>Lantana camara</i>	Verbenaceae	Ghaneri	Leaves, Root Flower	Asthma Ulcer
110	<i>Duranta erecta</i>		Nilkanta Mehindi	Leaf Fruit	Antimicrobial, Antioxidant Insecticide

4. CONCLUSION

The current study released that many of the observed plant species are of great signification for the covering different disease. This documentation of medicinal plants can play a remarkable role not only for study on medicinal plants but also for their further conservation. The present study documentation will be also useful to the campus students for further research and field works.

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