

Wild and Naturalized Medicinal Plant Diversity and Conservation in Sri Krishnadevaraya University Campus, Ananthapuramu, Andhra Pradesh, India

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ABSTRACT

Sri Krishnadevaraya University campus, a typical representative of arid zone of Peninsular India, harbors a great diversity of 470 wild and naturalised species in 500 acres constituting of about 15% of the state flora and about 42% of the species of the erstwhile Anantapur district. Of these, 352 taxa (350 species) belonging to 63 families and 221 genera are with medicinal values, accounting for about 75% of the total campus flora. Herbs dominate the medicinal plants of the campus with 251 taxa. Among the 140 AYUSH prioritised medicinal plants, 22 species are found in the campus in wild, the most significant being *Abrus precatorius*, *Azadirachta indica*, *Bacopa monnieri*, *Ocimum tenuiflorum*, *Senna alexandrina*, *Solanum nigrum* and *Tinospora cordifolia*. The medicinal values of plants, along with the specific parts used and the ailments they cure, and the source of medicinal values data are systematically tabulated. Forty wild and naturalised medicinal plant species are being conserved in the SKU Botanic Garden.

Keywords: Medicinal Plant Conservation, University Campus Flora, Wild and Naturalized Medicinal flora.

INTRODUCTION

The usage and documentation of plants for the treatment of various ailments have been practiced for centuries in India, dated back to the reign of Acharya Charaka Ca. first millennium. According to World Health Organisation, 25 % of the drugs have been extracted from plants and of the 252 basic drugs which are considered essential, 11% of them are exclusively of plant origin and natural extracts are the precursors for most of the synthetic drugs [1]. Due to over-exploitation of wild plant resources many natural habitats are facing threats; and about 90 % of medicinal plants are facing threat due to excessive, unsustainable collection, utilisation, and over exploitation [2]. About 1000 medicinal plant species are under threat in different ecosystems in India [3] and in the context of climate change this number is more pronounced.

In Andhra Pradesh, among 2880 plant species [4], 1800 are having medicinal value [5]. FRLHT recorded 586 medicinal plants in Andhra Pradesh and identified 110 species are under threat [3]. In Andhra Pradesh, 10% of the medicinal plants are Critically Endangered, 50% are Endangered, 20% are Vulnerable, and 20% are Near Threatened [6]. Medicinal plant information at microlevel is necessary to spread awareness for the researchers and students and it forms a baseline for conservationists to monitor the diversity and assess threats and develop strategies for the conservation of medicinal plants.

The objective of the present study is to document the medicinal plant diversity and significant plant conservation in Sri Krishnadevaraya University campus.

STUDY AREA AND PAST WORK

Sri Krishnadevaraya University was established in 1981, and the campus is located 10 km away from Ananthapuramu city (Fig. 1). The university campus lies at about 14°38' N and 77°42' E and spread over 500 acres. The campus lies at an elevation of 350 meters above MSL. The soil is red sandy throughout the campus, and rocky area predominates in the western part of the campus. The sub-soil is gravelly. The climate is warm tropical. Average annual rain fall is about 542 mm. The number of rainy days is less than 30 in a year and long spells between two showers are common. The maximum temperature 42°C is recorded in the month of April-May.

In the past two decades, the campus area was intensively explored by the senior author [7] and other researchers of the Biodiversity Conservation Division [8,9,10] and all the plants were collected, processed and made into herbarium time to time using standard techniques [11] and preserved in Sri Krishnadevaraya University Herbarium (SKU) for future reference.

METHODOLOGY

Field study, documentation and analysis

For purpose of the present paper, the authors made fresh collections as well field observations over the past two years and the collected samples were made into herbarium and all the species were photographed. The species were identified using standard floras [4,12]. The plant species were enumerated following [13] and the nomenclature was updated following [14]. Floristic analysis is done and the medicinal uses of the taxa along with part of the plant used, are obtained from secondary data sources following relevant literature [15-23].

Significant plants with medicinal value were analyzed based on literature [24] and discussed pertaining to protection, propagation and conservation in the university campus.

RESULTS

Medicinal plant diversity of SKU Campus

Of 470 wild and naturalised plant taxa in the Sri Krishnadevaraya University campus, 352 taxa (350 species) belonging to 63 families and 221 genera are having medicinal values, accounting for about 75% of the total campus. The detailed inventory of species along with scientific name, habit, voucher specimen and part of the plants used in the treatment and the sources from which the medicinal data obtained are tabulated (Table 1). Of the 352 taxa herbs are the most dominant with 251 taxa, followed by trees (37), climbers (32), shrubs (28), lianas (4). Selected photographs of the species are presented (Fig. 2). Of the 63 families with medicinal value reported from the study area, Fabaceae is the largest family (60 medicinal plant species), followed by Asteraceae (24 species), Amaranthaceae (19 taxa), Euphorbiaceae (18 species), Acanthaceae (16 species). Percentage distribution of species across the top ten families are represented in (Fig. 3). Significant medicinal trees include, *Cassia fistula*, *Ficus benghalensis*, *Holoptelea integrifolia*, *Prosopis cineraria*, *Tamarindus indica*, *Vitex negundo* etc. Medicinal shrubs include *Senna auriculata*, *Calotropis procera*, *Dodonaea viscosa*, *Opuntia tuna* etc. Significant medicinal herbs include, *Achyranthes aspera*, *Aloe vera*, *Aristolochia bracteolata*, *Cynodon dactylon*, *Micrococca mercurialis*, *Oureta lanata*, *Oxalis corniculata* etc. Important vines and lianas include, *Abrus precatorius*, *Asparagus racemosus*, *Cissus quadrangularis*, *Cynanchum acidum*, *Hemidesmus indicus* etc. The medicinal plants of the study area are used in the treatment of some of the significant ailments like asthma, dysentery, diabetes, diarrhoea, rheumatism, ulcers etc.

Medicinal Plant Conservation in SKU Campus and Botanic Garden

About 22,000 trees (including 3000 1-2 year grown saplings) surviving in the campus, over 50% are with medicinal value belonging to ten species: Neem (*Azadirachta indica*), a medicinal plant with potential values is the most dominant with 5339 trees (about 24%) followed by the trees with medicinal values: *Dalbergia sissoo* (1339), *Pongamia pinnata* (1315), *Ficus religiosa* (919), *Hardwickia binata* (723), *Albizia lebbeck* (584), *Holoptelia integrifolia* (521), *Ficus benghalensis* (504), *Tamarindus indica* (487) and *Syzygium cumini* (326). AYUSH prioritized 140 medicinal plants for cultivation [25] and 22 of them are found in the campus area in wilderness, viz., *Abrus precatorius*, *Albizia lebbeck*, *Aloe vera*, *Andrographis paniculata*, *Asparagus racemosus*, *Azadirachta indica*, *Bacopa monnieri*, *Boerhavia diffusa*, *Catharanthus roseus*, *Clerodendrum phlomidis*, *Clitoria ternatea*, *Eclipta prostrata* (*Eclipta alba*), *Leptadenia reticulata*, *Ocimum tenuiflorum* (*Ocimum sanctum*), *Phyllanthus amarus*, *Senna alexandrina* (*Cassia angustifolia*), *Sida cordifolia*, *Solanum anguivi*, *Solanum nigrum*, *Tephrosia purpurea*, *Tinospora cordifolia*, *Vitex negundo*. Other significant medicinal plants with conservation value found in the campus are: *Achyranthes aspera*, *Afrohybanthus enneaspermus*, *Anisomeles malabarica*, *Annona squamosa*, *Aristolochia bracteolata*, *Cissus quadrangularis*, *Dipcadi krishnadevarayae*, *Cynodon dactylon*, *Hardwickia binata*, *Oureta lanata*, *Oxalis corniculata*, *Prosopis cineraria*, *Saccharum spontaneum*, *Madhuca longifolia* var. *latifolia*, *Calotropis gigantea*, *Cynanchum acidum*, *Datura metel* and *Ocimum basilicum*.

All the above 40 species have conservation value. Of these we are currently propagating *Abrus precatorius*, *Aloe vera*, *Annona squamosa*, *Aristolochia indica*, *Azadirachta indica*, *Butea monosperma*, *Calotropis gigantea*, *Cassia fistula*, *Catharanthus roseus*, *Dodonaea viscosa*, *Ficus amplissima*, *Ficus benghalensis*, *Ficus racemosa*, *Ficus religiosa*, *Hardwickia binata*, *Holoptelea integrifolia*, *Madhuca longifolia* var. *latifolia*, *Prosopis cineraria*, *Senna auriculata*, *Syzygium cumini*, *Tinospora cordifolia* in the nurseries of SKU Botanic Garden with the support of project funding agencies [26-28]. Some of the significant medicinal plants planted in the botanic garden include: *Achyranthes aspera*, *Andrographis paniculata*, *Bacopa monnieri*, *Cissus quadrangularis*, *Datura metel*, *Mimosa pudica*, *Cadaba fruticosa*, *Calotropis procera* etc.

During 2014-2017, about 1.5 lakh saplings of medicinal plants belonging to 17 species were freely distributed to the surrounding villages of the university campus [29].

DISCUSSION

Considering the significant uses of plants, there is immediate need to document flora at micro level for proper monitoring and proposing new conservation strategies. For creating awareness and understanding natural wealth, especially about medicinal plants of their institutions, students and researchers need update information. A perusal of literature revealed that Sri Krishnadevaraya University Campus of 480 acres has relatively more diversified flora and medicinal plant diversity comparable to other institutions. Manasa Gangothri campus registered with 193 species [30]; 72 species with traditional importance in Banares Hindu University [31]; 56 species of medicinal plants in Guru Nanak Dev University campus [32]; medicinal flora of IIT, Madras Campus comprise 298 species [33]; Adikavi Nannaya University campus (236 species) [34]. Present study documented 352 medicinal plant taxa is having a highly diversified wild medicinal plant species, although S.K. University Campus falls in the arid zone of peninsular India and represent 19% of medicinal plants of the state. Interestingly over 50% of the trees in the campus holds medicinal values.

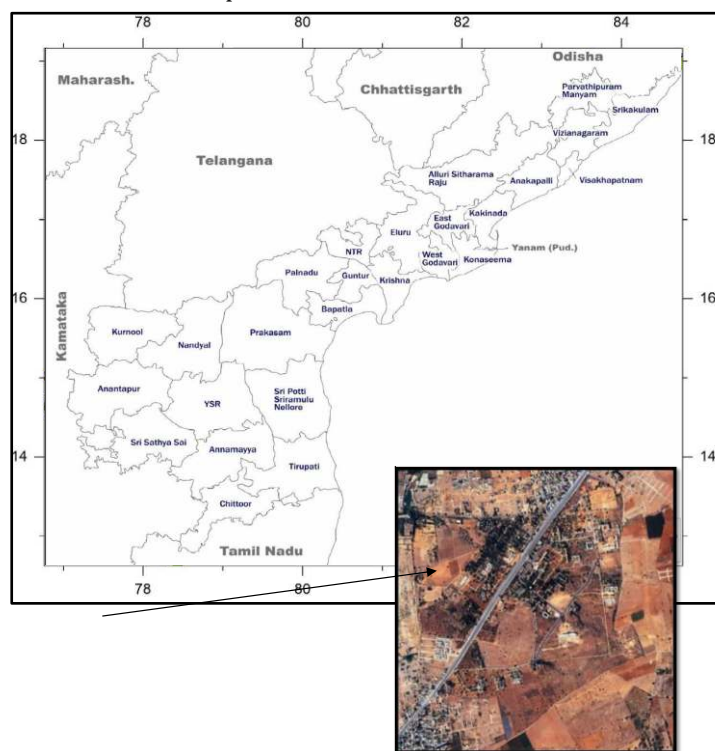


Fig. 1: Location map of Sri Krishnadevaraya University campus



Aristolochia bracteolata



Bacopa monnieri



Boerhavia diffusa



Calotropis gigantea



Cissus quadrangularis



Clitoria ternatea



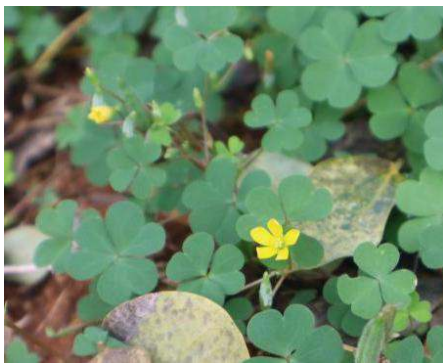
Cynanchum acidum



Datura metel



Oureta lanata



Oxalis corniculata



Senna auriculata



Tinospora cordifolia

Fig. 2: Photographs of selected species

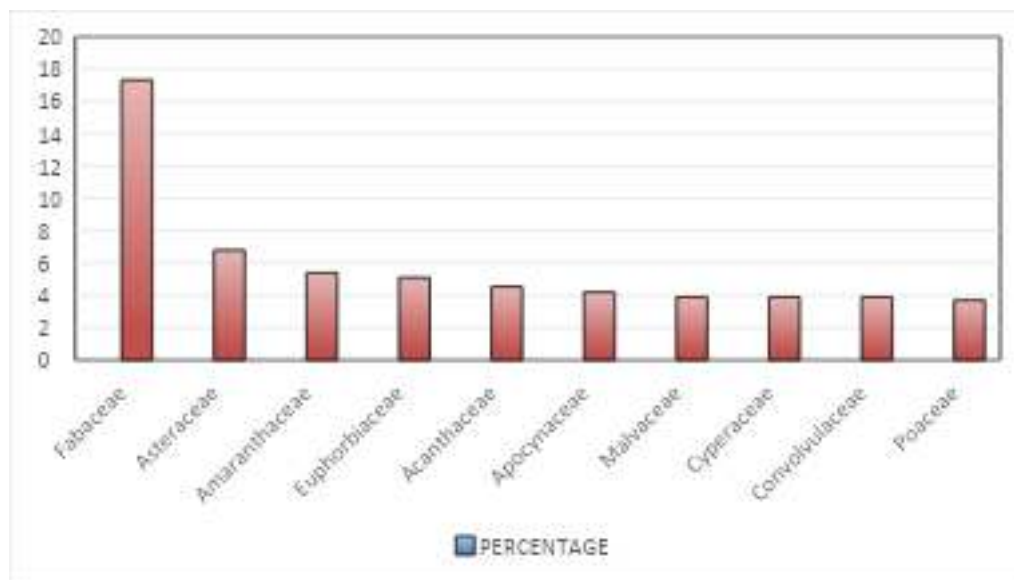


Fig. 3. Largest families with medicinal valued species

Table 1: Medicinal flora of Sri Krishnadevaraya University campus

Abbreviations used: HA - Habit, C- Climbers, H- Herbs, L-Lianas, S- Shrubs, T- Trees; VS- Voucher specimen, B - Bark, Bu - Bulbs, Cu - Culms, Fr - Fruit, HW - Heart Wood, L - Leaves, Lt - Latex, R- Roots, Rh -Rhizomes, Sd - Seed, St - Stem, Tu -Tubers, W - Wood, WP - Whole Plant

S.No.	NAME OF THE FAMILY/TAXA	HA	VS	Plant part used for treatment	REF. SOURCE
	NYMPHAEACEAE				
1	<i>Nymphaea nouchali</i> Burm.f.	H	50773	R / Rh- Diarrhoea, Dysentery; Fl & L – Fever	16, 20
	ANNONACEAE				
2	<i>Annona squamosa</i> L.	T	36104	R- Cathartic, Purgative; B- Diarrhoea; L & Sd – Ulcers, Skin disorders; Fr- rich in Vitamin C and antioxidants, coolant	15, 16, 18, 21, 20
	LAURACEAE				
3	<i>Cassytha filiformis</i> L.	C	50548	WP – Astringent, Antisyphilitic, Diuretic, Dropsy, Anasarca	15, 17, 18, 21
	ARISTOLOCHIACEAE				
4	<i>Aristolochia bracteolata</i> Lam.	H	59073	WP - Anthelmintic, Purgative; R- Amenorrhoea, Dysmenorrhoea; St - Leucorrhoea; L- Snake bite, cold fever, epilepsy; Sd- Purgative	15, 16, 17, 18, 20
5	<i>Aristolochia indica</i> L.	L	50774	R – Gastric stimulant, Snake bite, Skin diseases, Leucoderma, Pneumonia; L - Eczema, Hypertensive, anticancerous, cholera, diarrhoea; Sd- Anti-inflammatory, Purgative	15, 16, 17, 18, 21
	ARACEAE				
6	<i>Lemna perpusilla</i> Torr.	H	59045	Fronds-Allergy, Asthma, Febrifuge and rich in antioxidants	20
	HYDROCHARITACEAE				
7	<i>Hydrilla verticillata</i> (L.f.) Royle	H	50775	L - Digestion, Circulation, Immunity, and Detoxification	20
8	<i>Ottelia alismoides</i> (L.) Burm.f.	H	50846	WP - Antibacterial, Febrifuge	20
	ASPHODELACEAE				
9	<i>Aloe vera</i> (L.) Burm. f.	H	48652	L Gel: Constipation, Jaundice, Fever, Liver complaints, Burns, Piles, Menstrual disorders, Rheumatism; amazing moisturiser, Asthma	15, 16, 18
	ASPARAGACEAE				
10	<i>Agave americana</i> L.		50844	R- Diuretic, Diaphoretic, Anti-sypilitic; L-Laxative	15, 16, 17
11	<i>Asparagus racemosus</i> Willd.	C	48439	Tu – Aphrodisiac, Anthelmintic, Rheumatism, Diarrhea, Dysentery, Galactagogue	15, 16, 17, 21
12	<i>Dipcadi krishnadevarayae</i> B.R.P.Rao	H	51212	Bu – Antioxidant, Anthelmintic	23
13	<i>Drimia indica</i> (Roxb.) Jessop	H	54041	Tu -Bronchitis, Cardiac, Diuretic, Expectorant	16, 18
14	<i>Ledebouria revoluta</i> (L.f.) Jessop	H	59058	Tu – Diuretic.	18
	ARECACEAE				
15	<i>Borassus flabellifer</i> L.	A	59059	Sap (Neera/Toddy): Cooling, hydrating, low glycemic index, used as a natural sweetener for diabetics, Dropsy, Demulcent; R- Anthelmintic, Leprosy, Aphrodisiac	15, 16, 17, 21
16	<i>Phoenix sylvestris</i> (L.) Roxb.	A	49411	Fr – Cardiotoxic, Constipation, Diuretic, Laxative; L juice - Tongue problems, Tooth-aches	15, 17, 18, 21
	TYPHACEAE				
17	<i>Typha angustifolia</i> L. (= <i>T. angustata</i> Bory & Chaub.)	H	49438	WP – Dysmerrhea, Trauma bleeding; Rh - Astringent, Diuretic	17, 21
	CYPERACEAE				
18	<i>Abildgaardia ovata</i> (Burm.f.) Kral (= <i>Fimbristylis ovata</i> (Burm.f.) J.Kern)	H	49491	WP – Rheumatism	18
19	<i>Bulbostylis barbata</i> (Rottb.) C.B.Clarke	H	48490	L – Dysentery, Stomachache	20
20	<i>Cyperus castaneus</i> Willd.	H	49484	WP: Gastrointestinal issues; Respiratory disorders	20

21	<i>Cyperus compressus</i> L.	H	36149	L- Antibiotic	20
22	<i>Cyperus difformis</i> L.	H	49483	WP – Diarrhea, Antibacterial	20
23	<i>Cyperus flavidus</i> Retz. (= <i>Pycreus flavidus</i> (Retz.) T. Koyama)	H	49478	WP-Astringent, Febrifuge, Stimulant	20
24	<i>Cyperus haspan</i> L.	H	36876	Rh – Diuretic, Kidney stones	20
25	<i>Cyperus iria</i> L.	H	36876	WP – Astringent, Rheumatism; Rh – Diuretic	15
26	<i>Cyperus niveus</i> Retz.	H	51219	WP – Antioxidant, Anti-inflammatory	20
27	<i>Cyperus nutans</i> Vahl	H	48693	WP – Fever, Digestive disorders	20
28	<i>Cyperus rotundus</i> L.	H	48350	Tu – Diuretic, Bowel complaints, Herpes, Jaundice, Lactation, Conjunctivitis	15, 16, 18, 21
29	<i>Cyperus rubicundus</i> Vahl	H	48382	Rh – Anti - inflammatory	20
30	<i>Fimbristylis aestivalis</i> (Retz.) Vahl ssp. <i>aestivalis</i>	H	49480	WP – Anti-inflammatory	20
31	<i>Schoenoplectiella senegalensis</i> (Steud.) Lye	H	57947	Rh-Diuretic, Kidney problems	20
	POACEAE				
32	<i>Aristida adscensionis</i> L.	H	57962	Inflorescence - Tuberculosis	21
33	<i>Chloris barbata</i> Sw.	H	57958	WP – Rheumatism, Diarrhea, Fever, Diabetes	19
34	<i>Cymbopogon caesius</i> (Hook. & Arn.) Stapf	H	57998	L – Pain, Rheumatism	20
35	<i>Cymbopogon coloratus</i> (Hook.f.) Stapf.	H	59020	WP – Indigestion, Antimicrobial	20
36	<i>Cymbopogon iwarancusa</i> (Jones ex Roxb.) Schult.	H	59027	L- Fever, Cold, Digestive issues, Pain, Antimicrobial, Diaphoretic, Rheumatism	15
37	<i>Cymbopogon martini</i> (Roxb.) Willemet Watson.	H	59027	Oil from culms-Rheumatism, Skin disease; L-Cardiotonic, Leprosy	21
38	<i>Cynodon dactylon</i> (L.) Pers.	H	59009	R & Cu –Astringent, Epilepsy, Menstrual complaints, Piles, Peptic ulcers, Dysentery, Scabies	15, 16, 17, 18, 21
39	<i>Dactyloctenium aegyptium</i> (L.) Willd.	H	57980	Grains-Stomach ache, relieves pain in kidneys	17, 21
40	<i>Echinochloa colonum</i> (L.) Link (= <i>Panicum colonum</i> L.)	H	58000	WP- Antimicrobial and Antioxidants	20
41	<i>Eleusine indica</i> (L.) Gaertn.	H	59056	Grains- Gastrointestinal issues, Fever, Inflammation, High blood pressure, Liver/kidney stones	20
42	<i>Heteropogon contortus</i> (L.) P Beauv. ex Roemer & Schultes	H	59011	WP- Antiarthritic activity; R- Stimulant, Diuretic	15, 21
43	<i>Saccharum spontaneum</i> L.	H	59024	WP-Wound healing, Gastrointestinal issues	18, 21
44	<i>Setaria verticillata</i> (L.) P. Beauv.	H	57995	WP- Psoriasis, Rheumatism	19
	COMMELINACEAE				
45	<i>Commelina benghalensis</i> L.	H	51070	WP - Astringent, Laxative, Leprosy	15, 17
46	<i>Commelina clavata</i> C.B. Clarke	H	48579	WP - Antioxidant.	20
47	<i>Cyanotis tuberosa</i> (Roxb.) Schultes & Schultes f.	H	48454	Tu- Antidiabetic/ Anti-hyperglycemic, Fever	15, 18
	MENISPERMACEAE				
48	<i>Cocculus hirsutus</i> (L.) W.Theob.	C	48610	R – Fever, Laxative, Demulcent; L – Gonorrhoea, Leucorrhoea, Rheumatism	15, 17, 18, 21
49	<i>Tinospora cordifolia</i> (Willd.) Hook. f. & Thomson	C	48637	WP- Antidiabetic, Antipyretic, Aphrodisiac, Asthma, BP, Malaria, Jaundice, Piles; R- Antidote to snakebite and scorpion bite.	15, 16,17, 18, 21
	PAPAVERACEAE				
50	<i>Argemone mexicana</i> L.	H	48599	R-Anti-inflammatory, Piles, Skin diseases; L & Lt-Ulcers, Dropsy, Eye complaints, Jaundice, Ringworm, Scabies; St- Asthma, Whooping cough; Sd -Demulcent, Emetic, Narcotic, Purgative, Sedative	15, 16, 17, 18, 21
	VITACEAE				
51	<i>Cissus quadrangularis</i> L.	C	48415	WP-Bone fracture; R-Dysentery, Indigestion; St-Diuretic, Ear ache	16,17, 18, 21
	ZYGOPHYLLACEAE				
52	<i>Balanites aegyptiaca</i> (L.) Delile	T	44630	B-Anthelmintic, Cold, Cough, Facial swelling; Fr.-Pneumonia, Skin diseases; Sd–Hypotensive	15, 16, 18, 21
53	<i>Tribulus terrestris</i> L.	H	51027	WP-Diuretic; L - Stomachic, Fr – Aphrodisiac, Dysuria; Sd- Kidney stones	15, 16, 17, 18, 21
54	<i>Zygophyllum indicum</i> (Burm.f.) Christenh. & Byng (= <i>Fagonia indica</i> Burm.f.)	S	48615	WP-Antidiabetic, Anticancer	20
	OXALIDACEAE				
55	<i>Oxalis corniculata</i> L.	H	48628	WP-Dysentery, Epilepsy, Jaundice, Piles, Scurvy	15, 16, 17, 18, 21
	ELATINACEAE				
56	<i>Bergia ammannioides</i> Roxb. ex Roth	H	51209	L - Wound healing	20
	VIOLACEAE				
57	<i>Afrohybanthus enneaspermus</i> (L.) Flicker (= <i>Pigea enneasperma</i> (L.) P.I.Forst.; <i>Hybanthus enneaspermus</i> (L.) F.Muell.)	H	51022	WP – Aphrodisiac, Asthma, Filiariasis; R – Diuretic	17, 18, 21
	PASSIFLORACEAE				
58	<i>Passiflora foetida</i> L.	C	57953	WP- Anthelmintic; L- Asthma, Headache; Fr- Emetic	15, 17, 18
59	<i>Turnera ulmifolia</i> L.	H	50847	L – Hair loss & thrush	20
	EUPHORBIACEAE				
60	<i>Acalypha capitata</i> Willd. (= <i>A. alnifolia</i> J.G. Klein ex Willd.)	H	48564	L – Anti-inflammatory, Analgesic, Diabetes, Asthma, Bronchitis	20
61	<i>Acalypha ciliata</i> Forssk.	H	48605	R- Schistosomiasis	20
62	<i>Acalypha indica</i> L.	H	45729	WP- Expectorant, L- Laxative, Dysmenorrhoea, Asthma, Pneumonia, Rheumatism	15, 16, 17, 18, 21,

63	<i>Acalypha malabarica</i> Mull. Arg.	H	51049	Wound healing, Diabetes	20
64	<i>Croton bonplandianus</i> Baill.	H	48367	Lt – Cuts & Wounds	18, 21
65	<i>Euphorbia heterophylla</i> L.	H	51049	L– Bronchitis, Asthma, Purgative, Constipation	18, 20
66	<i>Euphorbia heyneana</i> Sprengel (=E. <i>geniculata</i> Ortega)	H	48648	L– Jaundice, Anti-inflammatory	20
67	<i>Euphorbia hirta</i> L.	H	36038	WP - Asthma, L-Diabetes, Dysentery, Bronchitis	15, 16, 18, 21
68	<i>Euphorbia hyssopifolia</i> L.	H	48331	WP – Antioxidant, Purgative	20
69	<i>Euphorbia indica</i> Lam.	H	48574	WP- Leprosy, Leucorrhoea; Lt-Purgative, Rheumatism, Skin lesions	15, 17
70	<i>Euphorbia prostrata</i> Aiton	H	31422	Lt –Anti-inflammatory, Analgesic, Haemostatic	20
71	<i>Euphorbia serpens</i> Kunth	H	48315	WP- Antimicrobial	20
72	<i>Euphorbia thymifolia</i> L.	H	48566	WP – Dysentery, Diarrhoea, Ring worm; R- Amenorrhoea	15, 17, 18, 21
73	<i>Euphorbia tirucalli</i> L.	T	49406	Lt –Cancer, Eczema, Skin diseases, Rheumatism	15, 18, 21
74	<i>Jatropha gossypifolia</i> L.	S	48418	R, Sd- Leprosy; L & Sd – Purgative, Eczema; Lt- Leucorrhoea	15, 16, 17, 18, 21
75	<i>Micrococca mercurialis</i> (L.) Benth.	H	51078	WP – Fever; Filariasis	20
76	<i>Microstachys chamaelea</i> (L.) Mull.Arg.	H	48515	Leafy stems – Vertigo, Astringent; WP - Syphilis, Diarrhoea	15, 17
77	<i>Tragia involucrata</i> L.	H	49469	R- Anthelmintics, Skin diseases, Leprosy, Blood purifier; WP - Fever, Headache	15, 16, 18
	PHYLLANTHACEAE				
78	<i>Flueggea leucopyrus</i> Willd. (=Securinega <i>leucopyrus</i> (Willd.) Mull.-Arg.)	S	51036	L- Destroy worms; Fr – Diuretic	15, 17, 18, 21
79	<i>Phyllanthus airy-shawii</i> J.F.Brunel & Jacq.Roux	H	59036	WP-Blood infections	20
80	<i>Phyllanthus amarus</i> Schum.& Thonn.	H	48356	WP-Diuretic, Jaundice, Dropsy, Gastric disorders	16, 17, 18, 21
81	<i>Phyllanthus bacciformis</i> L. (=Synostemon <i>bacciformis</i> (L.) G.L. Webster; <i>Sauropus bacciformis</i> (L.) Airy Shaw)	H	48609	L - Diuretic, Asthma, Rheumatism	20
82	<i>Phyllanthus debilis</i> J.G.Klein ex Willd.	H	59053	L - Jaundice, Diarrhea	20
83	<i>Phyllanthus maderaspatensis</i> L.	H	48314	L - Carminative, Diaphoretic, Diuretic, Expectorant	15, 17, 18, 21
84	<i>Phyllanthus reticulatus</i> Poir.	S	40637	L-Diuretic, Diarrhoea; St - Dental; Fr- Astringent	15, 18, 21
85	<i>Phyllanthus scabrifolius</i> Hook.f.	H	59037	L - Diabetes Hypertension	20
86	<i>Phyllanthus virgatus</i> G. Forst.	H	48619	WP-Antipruritic, Antiseptic, Ophthalmic, Gonorrhoea; L - Ear infections	17, 18
	FABACEAE				
87	<i>Abrus precatorius</i> L.	L	48567	R – Broncho-dilator, Diuretic, L – Aphrodisiac; Sd- Skin diseases, Ulcers	15, 16, 17, 18, 21
88	<i>Aeschynomene indica</i> L.	H	59050	L – Kidney stones & Urinary disorders	20
89	<i>Albizia amara</i> (Roxb.) Boin	T	48698	B-Fungal infections; L – Bone fractures, Ophthalmia; Fl – Ulcers, Diarrhea	17, 21
90	<i>Albizia lebbek</i> (L.) Benth.	T	48699	R- Astringent, Ophthalmia; B-Diarrhoea, Dysentery, Bronchitis, Leprosy; L-Nightblindness, Scorpion sting; Sd - Piles	15, 16, 17, 18, 21
91	<i>Alysicarpus hamosus</i> Edgew.	H	40609	L- Diuretic, Jaundice	20
92	<i>Alysicarpus monilifer</i> (L.) DC.	H	36129	WP – Anti-inflammatory, Diuretic, Antidote for snake bite	21
93	<i>Alysicarpus rugosus</i> (Willd.) DC.	H	48672	L & R- Cough & Fever	20
94	<i>Alysicarpus vaginalis</i> (L.) DC.	H	48303	WP-Bone fractures; R – Cough, Fever; Sd – Dysentery, Colic	22
95	<i>Butea monosperma</i> (Lam.) Kuntze	T	49423	B-Haemostatic, Bone fracture, Diarrhea, Dysentery, Jaundice; Fl- Diuretic, Diabetes, Piles; Sd-Anthelmintic, Ascarias	17, 18, 21
96	<i>Cajanus scarabaeoides</i> (L.) Thouars	C	59035	WP-Dropsy, Dysentery, Anasarca, Sores, Pains, Venereal diseases; Diarrhoea in cattle	15, 17, 21
97	<i>Cassia fistula</i> L.	T	49431	R-Leprosy, Swelling of throat; B-Antiseptic, Diarrhea; L-Laxative, Antiseptic, Constipation, Ring worm, Rheumatism; Sd-Gastric complaints, Jaundice; Fr Pulp-Laxative, Constipation	15, 16, 17, 18, 21
98	<i>Chamaecrista absus</i> (L.) H.S. Irwin & Barneby	H	48557	L- Astringent, Cough, Skin diseases, Wounds; Sd-Eye infections, Bronchitis, Asthma	15, 16, 17, 18, 21
99	<i>Chamaecrista mimosoides</i> (L.) Greene (=Cassia <i>mimosoides</i> L.)	H	48304	R-Dysentery, Stomach pains	15
100	<i>Chamaecrista pumila</i> (Lam.) Singh (=Cassia <i>pumila</i> Lam.)	H	48481	WP-Liver diseases; Sd - Purgative	15
101	<i>Clitoria ternatea</i> L.	C	45724	R-Diuretic, Goitre, Leucoderma, Purgative; L-Laxative, Emetic; Sd-Brain tonic	15, 16, 17, 18, 21
102	<i>Crotalaria calycina</i> Schrank	H	49500	WP- Convulsions, Venereal sores	20
103	<i>Crotalaria medicaginea</i> Lam. var. <i>medicaginea</i>	H	36181	WP-Scabies, Impetigo	20
104	<i>Crotalaria medicaginea</i> var. <i>neglecta</i> (Wight & Arn.) Baker	H	36882	WP-Anti-inflammatory, Antibacterial, Antioxidant	20
105	<i>Crotalaria ramosissima</i> Roxb.	H	48580	WP- Skin diseases	20
106	<i>Crotalaria retusa</i> L.	H	48639	WP, L-Impetigo, Scabies, Fever, Lung diseases; R- Hemoptysis; Sd-Analgesic	15, 16, 18
107	<i>Crotalaria verrucosa</i> L.	H	59047	R-Snake bites; L-Dyspepsia, Emetic, Scabies, Impetigo	15, 16, 17, 18, 21
108	<i>Dalbergia sissoo</i> Roxb.	T	49412	W - Scabies, Leprosy; St - Dysentery, Head-ache; L-Anti-emetic, Skin diseases	16, 21

109	<i>Delonix elata</i> (L.) Gamble	T	48700	B- Diarrhoea; L-Anti-inflammatory, Ulcers	18, 21
110	<i>Delonix regia</i> (Boj. ex Hook.) Rafin	T	49415	Fl-Diarrhoea	20
111	<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	S	48657	B-Dysentery, Elephantiasis; R-Astringent, Leprosy, Diuretic, Rheumatism	15, 16, 17, 21
112	<i>Grona triflora</i> (L.) H.Ohashi & K. Ohashi (= <i>Desmodium triflorum</i>) (L.) DC.	H	57954	WP - Dysentery, Diarrhoea; L- Wounds, Sores	16, 17, 18, 21
113	<i>Hardwickia binata</i> Roxb.	T	49417	Sd - Dysentery; Balsam - Gonorrhoea	15
114	<i>Indigofera coerulea</i> Roxb.	H	48592	L - Jaundice, Constipation	20
115	<i>Indigofera colutea</i> (Burm. f.) Merr.	H	40606	WP - Stomach aches, Antioxidant	20
116	<i>Indigofera cordifolia</i> Heyne ex Roth	H	48322	L - Wounds, Skin infections	20
117	<i>Indigofera glabra</i> L.	H	48644	L- Fever	20
118	<i>Indigofera hirsuta</i> L.	H	36844	L- Laxative, Epilepsy, Convulsion	20
119	<i>Indigofera linifolia</i> (L.f.) Retz.	H	51143	WP - Amenorrhagia	15
120	<i>Indigofera tinctoria</i> L.	S	49471	R - Fever, Laxative; L - Dropsy, Epilepsy, Kidney, Liver, Nervous disorders, Ulcers	15, 16, 17, 18, 21
121	<i>Indigofera tsiangiana</i> Metcalf (= <i>I. linnaei</i> Ali)	H	48363	WP - Diuretic, Anti - dysentery, Anti-diarrhoeal, Epilepsy	21
122	<i>Leucaena leucocephala</i> (Lam.) de Wit	T	48696	L & B - Anti-asthmatic, Anti-inflammatory, Blood purifier	21
123	<i>Mimosa pudica</i> L.	H	48687	WP-Insomnia, Diarrhoea; R-Asthma, Diuretic, Dysentery, Epilepsy, Leprosy, Malaria, Snake bite	15, 16, 17, 18, 21
124	<i>Neltuma chilensis</i> (Molina) C.E.Hughes & G.P.Lewis (= <i>Prosopis chilensis</i> (Molina) Stuntz)	T	49404	L - Antiseptic	21
125	<i>Pithecellobium dulce</i> (Roxb.) Benth.	T	49434	R - Dod bite; B- Febrifuge	15, 21
126	<i>Pongamia pinnata</i> (L.) Pierre (= <i>P. glabra</i> Vent.; <i>Derris indica</i> (Lam.))	T	49414	R-Gonorrhoea, lcers; B-Piles; L-Anthelmintic, Laxative, Skin diseases; Sd-Bronchitis, Eczema, Rheumatism	15, 16, 18, 21
127	<i>Prosopis cineraria</i> (L.) Druce	T	49430	B - Rheumatism	21
128	<i>Rhynchosia capitata</i> (B.Heyne ex Roth) DC.	H	48301	L- Antianalgesic	20
129	<i>Rhynchosia minima</i> (L.) DC.	H	51042	L - Anthelmintic	16, 17, 18
130	<i>Rothia indica</i> (L.) Druce	H	48608	WP-Anti microbial	20
131	<i>Senegalia ferruginea</i> (DC.) Pedley (= <i>Acacia ferruginea</i> DC.)	T	48562	L & Sd-Fever, Skin disorders	21
132	<i>Senna alexandrina</i> Miller (= <i>Cassia angustifolia</i> Vahl.)	H	48640	L & P - Laxative	15, 18, 21
133	<i>Senna auriculata</i> (L.) Roxb. (= <i>Cassia auriculata</i> L.)	S	48453	R - Asthma, Rheumatism; B- Astringent; WP - Antidysenteric; L- Leprosy, ulcers; Sd - Asthma, Cough, Skin diseases, Ophthalmia	15, 16, 17, 18, 21
134	<i>Senna italica</i> miller ssp. <i>micrantha</i> (Brenan) Lock (= <i>Cassia italica</i> subsp. <i>micrantha</i> Brenan)	H	48508	L, Sd - Fever, jaundice, Venereal diseases; L paste - Bone fractures; B & L- Constipation	17, 18
135	<i>Senna occidentalis</i> (L.) Link. (= <i>Cassia occidentalis</i> L.)	S	48417	WP - Purgative, FR-Elephantiasis, Gastric complaints, Skin diseases; R- Psoriasis; L-Bone fracture, Eczema, Throat infections; Sd-Ring worm, Whooping cough	15, 16, 17, 18, 21
136	<i>Senna tora</i> (L.) Roxb. (= <i>Cassia tora</i> L.)	H	48577	R-Fever, Ring worms, Antidote for scorpion sting; L- Anthelmintic, Antiseptic, Laxative, Skin diseases; Night blindness; Sd - Cold, Eczema	15, 16, 17, 18, 21
137	<i>Senna uniflora</i> (Miller) Irwin & Barneby (= <i>Cassia uniflora</i> Miller)	H	48432	L-Wounds, Dropsy	20
138	<i>Tamarindus indica</i> L.	T	49416	B-Asthma, Peptic ulcers, Paralysis, Gastric complaints; L-Dropsy, Ring worm, Tumours, Urine complaints; Sd - Astringent	15, 16, 17, 18, 21
139	<i>Tephrosia villosa</i> (L.) Pers.	H	51046	L - Dropsy, Diabetes	15, 16, 21
140	<i>Tephrosia pumila</i> (Lam.) Pers.	H	48428	WP - Anti-cancer, Anti-diabetic	18
141	<i>Tephrosia purpurea</i> (L.) Pers.	H	51039	WP - Laxative, Bronchitis; R - Asthma, Dyspepsia, Ulcers; L - Jaundice	15, 16, 18, 21
142	<i>Teramnus labialis</i> (L.f.) Spreng.	C	49499	WP - Rheumatism, Tuberculosis, Nervous infections	21
143	<i>Vachellia leucophloea</i> (Roxb.) Maslin, Seigler & Ebinger (= <i>Acacia leucophloea</i> (Roxb.) Willd.)	T	49433	B-Diarrhoea, Dysentery	16
144	<i>Vachellia nilotica</i> subsp. <i>indica</i> (Benth.) Kyal. & Boatwr (= <i>Acacia nilotica</i> (L.) Willd. ex Del. ssp. <i>indica</i> (Benth.) Brenan.).	T	49405	HW - Astringent, B- Asthma, Diabetes, Dysentery	16, 17, 18, 21
145	<i>Vigna aconitifolia</i> (Jacq.) Marechal	H	48321	Sd - Flatulence & Fever	20
146	<i>Vigna trilobata</i> (L.) Verdc.	H	48668	L - Sedative, Fever	20
147	<i>Zornia gibbosa</i> Spanog.	H	48307	WP - Anti-inflammatory, Dysentery	20
	POLYGALACEAE				
148	<i>Polygala arvensis</i> Willd. (= <i>P. chinensis</i> auct. non L.)	H	49629	L-Dizziness, Jaundice	20
149	<i>Polygala erioptera</i> DC.	H	51013	L-Wound healing	20
150	<i>Polygala glaucooides</i> L. (= <i>P. elongata</i> Klein ex Willd.)	H	49373	WP-Constipation; L- Spermatorrhoea	17
	RHAMNACEAE				
151	<i>Ziziphus mauritiana</i> Lam.	T	48424	R-Ulcers; B-Diarrhoea, Dysentery, Rheumatism, Scorpion sting; Fr- Blood purifier; Sd- Insomnia	16, 17, 21
152	<i>Ziziphus oenopolia</i> (L.) Miller	T	49446	R-Abdominal pains, Wound healing; L-Conjunctivitis, Snake bite; Fr - Stomachache	15, 16, 18, 21
153	<i>Ziziphus xylopyrus</i> (Retz.) Willd.	S	48465	B - Dysentery; Fl - Menorrhagia	17, 18, 21
	ULMACEAE				
154	<i>Holoptelea integrifolia</i> (Roxb.) Planchon	T	49814	L - Boils, Wounds; B- Rheumatism, Dyspepsia, Leprosy	15, 16, 18, 21
	MORACEAE				
155	<i>Ficus amplissima</i> Smith	T	12568	B - Anti-diabetic	20

156	<i>Ficus benghalensis</i> L.	T	49428	Aerial roots-Dysentery, Diarrhea, Diabetes; Lt- Rheumatism, Lumbago	15, 16, 17, 18, 21
157	<i>Ficus racemosa</i> L.	T	40613	R-Anti-cancerous, Diabetes, Dysentery; B- Astringent, L-Bronchitis, Pneumonia; Lt -Piles, Diarrhoea	16, 17, 18, 21
158	<i>Ficus religiosa</i> L.	T	49419	B-Astringent, Diabetes, Gonorrhoea, Skin diseases, Ulcers, Urinogenital disorders	15, 16, 17, 21
	CUCURBITACEAE				
159	<i>Blastania garcinii</i> (Burm.f.) Cogn. (=Ctenolepis garcinii (Burm.f.) C.B.Clarke)	C	48548	Sd- Cuts, Boils, Wounds	18
160	<i>Citrullus colocynthis</i> (L.) Schrad.	C	48450	Fr: Helminthiasis, Deafness, Antidote to scorpion bite, Jaundice, Constipation. R-Hernia, Rheumatic pains	15, 18
161	<i>Coccinia grandis</i> (L.) Voight	C	48468	R, S & L- Diabetes, Filariol swellings, Menorrhagia, Skin diseases, Bronchitis	15, 16, 17, 18, 21
162	<i>Cucumis maderaspatanus</i> L. (=Mukia maderaspatana (L.) Cogn.)	C	57948	Sd - Diabetes	18, 21
163	<i>Cucumis melo</i> L. (= <i>C. collosus</i> (Rottler) Cogn.)	C	40621	Fr - Diuretic, control BP	15, 17, 18
164	<i>Cucumis prophetarum</i> L.	C	48449	Fr - Emetic, Purgative	15
	LYTHRACEAE				
165	<i>Ammannia baccifera</i> L. ssp. <i>baccifera</i>	H	49408	L - Fevers, Rheumatic pains, Skin diseases, Wounds	15, 18
	MYRTACEAE				
166	<i>Syzygium cumini</i> (L.) Skeels	T	49418	B - Astringent, Anticancerous; L- Dysentery; Sd - Diabetes; Fr - Carminative, Diuretic	16, 17, 18
	SAPINDACEAE				
167	<i>Cardiospermum halicacabum</i> L.	C	48457	WP- Ear ache, Rheumatism, Lung & Nerve disorders; R - Diaphoretic, Diuretic	15, 16, 17, 18, 21
168	<i>Dodonaea viscosa</i> Jacq.	S	48635	R - Anthelmintic; L - Febrifuge, Rheumatism, Sore throats, setting bones	15, 16, 17, 18, 21
	MELIACEAE				
169	<i>Azadirachta indica</i> A.Juss.	T	48433	L&B - Antipyretic, Antiseptic, Blood purifier, Anti-cancerous, Antidiabetic, Malaria, Jaundice, Piles, Skin diseases, Rheumatism	15, 16, 17, 18, 21
170	<i>Melia azedarach</i> L.	T	48429	L-Antiseptic, Emetic, Rheumatism, Gout, Skin diseases; Fr- Anthelmintic	15, 16, 17, 18, 21
	MALVACEAE				
171	<i>Abutilon indicum</i> (L.) Sweet	S	48643	R- Nervine & Cardiac tonic; B- Diuretic, Bronchitis, Sd - Aphrodisiac	15, 16, 18, 21, 20
172	<i>Corchorus aestuans</i> L.	H	48330	Sd - Stomach ache	20
173	<i>Corchorus olitorius</i> L.	H	40623	L - Diuretic, Laxative, Dysuria, Chronic cystitis, Piles	15, 21
174	<i>Corchorus trilobularis</i> L.	H	48546	L - Demulcent, Fevers	15, 17, 21
175	<i>Grewia rothii</i> DC.	T	49445	B-Antioxidant, Antibacterial	20
176	<i>Hibiscus micranthus</i> L.f.	H	48335	WP - Febrifuge	15
177	<i>Malvastrum coromandelianum</i> (L.) Garcke	H	51045	R - Aphrodisiac; L - Jaundice, Wounds, Sores, Rheumatism, Diaphoretic	17, 21
178	<i>Melhania incana</i> B.Heyne ex Wight & Arn.	H	57950	L-Cough, Fever	20
179	<i>Pavonia zeylonica</i> (L.) Cav (=P. odorata Willd.)	H	49466	WP - Purgative, Rheumatism, Febrifuge, Vermifuge	15, 18, 21
180	<i>Sida acuta</i> Burm.f.	H	48416	R - Nervine tonic, Vermifuge; L - Gastric disorders, Gonorrhea	15, 18, 21
181	<i>Sida cordifolia</i> L.	H	48520	WP - Aphrodisiac, Astringent, Gonorrhea, Rheumatism, Dyspepsia, Leucorrhea	15, 16, 17, 18, 21
182	<i>Sida spinosa</i> L.	H	48578	R- Diaphoretic; L - Demulcent, Gonorrhoea	15, 16, 17, 21
183	<i>Triumfetta rhomboidea</i> Jacq.	H	49442	L - Dysentery, Jaundice	20
184	<i>Waltheria indica</i> L. (=W. americana L.)	H	45784	L- Antisiphylitic, Febrifuge; WP-Dog bite	17, 18
	CAPPARACEAE				
185	<i>Cadaba fruticosa</i> (L.) Druce	S	48651	R-Fever; L-Laxative	18, 21
186	<i>Maerua oblongifolia</i> (Forssk.) A.Rich (=Capparis oblongifolia Forssk.)	S	59051	Tu - Aphrodisiac	18, 21
	CLEOMACEAE				
187	<i>Cleome aspera</i> J.Koenig ex DC.	H	51015	WP-Skin diseases, Eczema, Anti-diabetic	20
188	<i>Cleome felina</i> L.f.	H	51063	WP-Antiscorbutic, Diptheria, Pneumonia	15
189	<i>Cleome gynandra</i> L.	H	51004	WP - Skin diseases; R - Stomachic, ulcers; L - Headache, Earache, Knee pains	15, 18
190	<i>Cleome monophylla</i> L.	H	48725	R - restore consciousness; L-Digestive complaints	15, 21
191	<i>Cleome viscosa</i> L.	H	51026	R - Wounds; L - Ear ache, Ulcers; Sd - Anthelmintic, used in convulsions, Diarrhea, Fever, Skin diseases, Rubifacient	15, 16, 18, 21
	BRASSICACEAE				
192	<i>Brassarda x juncea</i> (L.) Su Liu & Z.H.Feng (=Brassica juncea (L.) Czern.)	H	48683	Seed oil - Rheumatism	21
	CARYOPHYLLACEAE				
193	<i>Polycarpaea corymbosa</i> (L.) Lam.	H	48305	WP- Snake bite; R - Liver complaints; L - Jaundice	15, 17, 21
	AMARANTHACEAE				
194	<i>Achyranthes aspera</i> L.	H	48423	R-Arbotifacient, Bronchitis, Snakebite, teeth infections; WP-Epilepsy, Tooth-ache, Dropsy, Scabies, Rheumatism	15, 16, 17, 18, 21
195	<i>Aerva javanica</i> (Burm. f.) A.L. Juss. ex Schultes	H	48425	WP-Kidney stones, Remove swellings	15, 18

196	<i>Allmania nodiflora</i> (L.) R.Br. ex Wight	H	51025	L-Febrifuge; Fr: Constipation, Dysentery	20
197	<i>Alternanthera ficoidea</i> (L.) P.Beauv. (= <i>A. tenella</i> Colla)	H	59041	L- Galactagogue, Febrifuge, Indigestion	20
198	<i>Alternanthera pungens</i> Kunth	H	48309	WP-Diuretic, Gonorrhoea	20
199	<i>Alternanthera sessilis</i> (L.) DC.	H	48401	WP - Galactagogue; L-Night blindness, Malaria, Diarrhea, Dysentery	15, 16, 17, 21
200	<i>Amaranthus graecizans</i> L.	H	49409	L – Tonsillitis/ Anthelminthic	20
201	<i>Amaranthus spinosus</i> L	H	40632	WP – Fevers, Galactagogue; R – Laxative, Eczema; Sd – Cold, Cough	15, 16, 17, 21
202	<i>Amaranthus tricolor</i> L. (= <i>A. mangostanus</i> L.)	H	40619	WP – Astringent, Diuretic; Sd – Aphrodisiac	17
203	<i>Amaranthus viridis</i> L	H	48369	L- Digestion, Antidote to snakebite	15, 17, 21
204	<i>Celosia argentea</i> L.	H	48456	Sd – Aphrodisiac, Blood dysentery, Blood purifier, Diarrhoea	15, 17, 21
205	<i>Celosia polygonoides</i> Retz.	H	48559	L-Diarrhoea, Gastroenteritis	20
206	<i>Digera muricata</i> (L.) C. Martius	H	51044	L - Digestive, Urinary disorders	17, 21
207	<i>Gomphrena celosoides</i> Mart.	H	48310	L – Diuretic, Skin disorders	20
208	<i>Nothosaerva brachiata</i> (L.) Wight	H	48395	L – Diuretic	20
209	<i>Ouret lanata</i> (L.) Kuntze (= <i>Aerva lanata</i> (L.) Juss. ex Schult.)	H	48357	WP – Anthelmintic, Demulcent, Diuretic, Kidney stones	15, 16, 17, 18, 21
210	<i>Pupalia lappacea</i> (L.) A.L. Juss.	H	48445	WP - Leprosy; L – Antitussive, Diuretic, Febrifuge	17
211	<i>Pupalia lappacea</i> var. <i>velutina</i> (Moq.) Hook.f.	H	59033	L-Bone fractures	20
212	<i>Trichuriella monsoniae</i> (L. f.) Bennett	H	48412	WP – Diuretic, Hepatoprotective, Analgesic, Antibacterial	20
	LOPHIOPHYLLACEAE				
213	<i>Corbichonia decumbens</i> (Forssk.) Exell.	H	49488	WP-Kidney stones, Gonorrhoea, Asthma	20
	AIZOACEAE				
214	<i>Trianthema portulacastrum</i> L.	H	51006	L - Analgesic, Anemia, Diuretic, Hepatoprotective; R - Cathartic, Amenorrhoea	15, 16, 17, 18
215	<i>Trianthema triquetrum</i> Willd. ex Spreng.	H	132	WP – Antioxidant, Antiulcer, Antispasmodic	20
216	<i>Zaleya decandra</i> (L.) Burm. f. (= <i>Trianthema decandra</i> L.)	H	49476	WP- Anti-inflammatory, Anti-diabetic, Anti-cancer, Diuretic; R-Asthma, Hepatitis	15, 16, 18
	GISEKIAEAE				
217	<i>Gisekia pharnaceoides</i> L.	H	48311	WP- Asthma; Sd – Anthelminthic	15, 17
	NYCTAGINACEAE				
218	<i>Boerhavia diffusa</i> L.	H	48375	WP – Anaemia, Epilepsy, Psoriasis, Rheumatism; R – Diuretic, Asthma, Cough, Dropsy, Dysentery, Jaundice, Kidney & Liver disorders, Rheumatism; L – Appetiser, Diuretic	15, 16, 17, 18, 21
219	<i>Boerhavia erecta</i> L.	H	51037	R – Diuretic	18, 21
220	<i>Commicarpus chinensis</i> (L.) Heimerl (= <i>Boerhavia chinensis</i> (L.) Rottb.; <i>B. repanda</i> Willd.)	H	48366	R – Aphrodisiac	21
	MOLLUGINACEAE				
221	<i>Glinus lotoides</i> L.	H	48393	WP – Abdominal disorders	17
222	<i>Glinus oppositifolius</i> (L.) A. DC.	H	36848	WP-Bowel complaints, Syphilis, Ear ache, Skin diseases	17, 21
223	<i>Hypertelis cerviana</i> (L.) Thulin (= <i>Mollugo cerviana</i> (L.) Ser.)	H	51030	WP- Fevers, Rheumatism	15, 21
224	<i>Paramollugo nudicaulis</i> (Lam.) Thulin (= <i>Mollugo nudicaulis</i> Lam.)	H	48341	WP-Ulcers, Typhoid, Whooping cough	15, 17, 21
225	<i>Trigastrotheca pentaphylla</i> (L.) Thulin (= <i>Mollugo pentaphylla</i> L.)	H	51069	WP-Antiseptic, Stomach ailments	15, 17, 21
	BASELLACEAE				
226	<i>Basella alba</i> L.	C	59055	L-Demulcent, Indigestion, Kidney stones	16, 17, 18
	PORTULACACEAE				
227	<i>Portulaca oleracea</i> L. var. <i>olearacea</i>	H	48688	WP – Antiscorbutic, Diuretic, Blood purifier, Diuretic; L- Diarrhoea, Dysentery, Anti-haemorrhagic poultices	15, 16, 17, 18, 21
228	<i>Portulaca pilosa</i> L.	H	48658	WP – Febrifuge, Aperient, Diuretic	22
229	<i>Portulaca quadrifida</i> L.	H	36054	WP – Diuretic, Dysuria, Skin & Lung diseases; L- Diarrhoea, Dysentery	15, 17, 18, 21
230	<i>Portulaca tuberosa</i> Roxb.	H	59049	WP – Dysentery, Febrifuge, Skin diseases; L- Dysuria	15, 17, 18
231	<i>Portulaca wightiana</i> Wall ex Wight & Arn.	H	51217	WP – Fever, Diarrhea, Eczema	20
	CACTACEAE				
232	<i>Deamia testudo</i> (Karw. ex Zucc.) Britton & Rose (= <i>Cereus pterogonus</i> Lem.)	S	49449	St - Cardiac stimulant, Dropsy; Fl – Wounds	16, 17, 18
233	<i>Opuntia tuna</i> (L.) Mill. (= <i>O. dillenii</i> (Ker.Gawl.) Haw.)	S	49447	L – Bleeding, Fl – Asthma, Boils, Bronchitis; Fr – Throat pain	15, 17, 18, 21
	SAPOTACEAE				
234	<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A.Chev.	T	49422	B – Astringent, Diabetes, Jaundice, Rheumatism, Ulcers; HW- Epilepsy; Fl - Diuretic, Stimulant	15, 16, 17, 18, 21
	RUBIACEAE				
235	<i>Benkara malabarica</i> (Lam.) Tirveng.	S	36086	Fr- Abdominal pains, Throat pains	18
236	<i>Canthium coromandelicum</i> (Burm.f.) Alston (= <i>C. parviflorum</i> Lam.)	S	48597	L-Fever; Root bark – Dysentery, Anthelminthic	17, 18, 21
237	<i>Catunaregam spinosa</i> (Thunb.) Triveng.	T	48598	B-Astringent, Diarrhoea, Muscle pain; Fr – Asthma	16, 17, 18
238	<i>Kohautia attenuata</i> (Willd.) I.M. Turner (= <i>K. aspera</i> (Heyne ex Roth) Bremek.	H	48349	L-Gastric and Inflammatory disorders	20

239	<i>Oldenlandia herbacea</i> (L.) Roxb. (= <i>Hedyotis herbacea</i> L.)	H	49407	R – Bronchitis, Antidote for snake & scorpion bites, Malaria	15
240	<i>Oldenlandia umbellata</i> L. (= <i>Hedyotis puberula</i> (G. Don) R.Br. ex Arn.)	H	48588	WP-Anthelmintic; R-Tuberculosis, Haemoptysis; L-Asthma, Bronchitis, Stomach disorders	15, 18
241	<i>Spermacoce articularis</i> L.f. (= <i>Borreria articularis</i> (L.f.) F. Will.	H	48480	R-Antidote for snake bite; L-Gall stones, Scabies, Ulcers	18, 21
242	<i>Spermacoce hispida</i> L. (= <i>Borreria articularis</i> var. <i>hispida</i> (L.) Sivar. & Manilal)	H	48631	Aerial parts-Febrifuge, Haemorrhoids; R-Alternative	15, 17, 18
243	<i>Spermacoce ocyroides</i> Burm.f.	H	50838	L - Ulcers, Diarrhoea	20
244	<i>Spermacoce pusilla</i> Wall. (= <i>Borreria pusilla</i> (Wall.) F. Diétr.)	H	48302	L-Trauma, Fractures	20
	GENTIANACEAE				
245	<i>Enicostema axillare</i> (Poir. ex Lam.) A. Raynal	H	48552	WP-Laxative, Dropsy, Rheumatism	16,17, 21
	APOCYNACEAE				
246	<i>Calotropis gigantea</i> (L.) W.T. Aiton	S	48426	R – Skin diseases, Snake bite; Lt – Asthma, Joint pains, Ring worm, Tooth ache; L-Burns, Ear compliants, Epilepsy, Intestinal worms, Migrain, Swellings; Fl – Bronchitis	15, 16, 17, 18, 21
247	<i>Calotropis procera</i> (Aiton) W.T. Aiton	S	48427	R – Skin diseases, Snake bite; Lt – Asthma, Joint pains, Ring worm, Tooth ache, Wounds; L – Burns, Ear compliants, Intestinal worms, Swellings; Fl – Bronchitis	15, 16, 17, 18, 21
248	<i>Caralluma adscendens</i> (Roxb.) Haw.	H	48653	Lt - Ear infections, Aerial parts-Anti-inflammatory	18, 21
249	<i>Caralluma stalagmifera</i> C.E.C. Fischer	H	49448	WP- Anti-obesity, Anti-diabetic	20
250	<i>Carissa spinarum</i> L.	S	48475	R-Body pains, Cuts, Injuries, Purgative, Sores, Anti-inflammatory, Rheumatism	15, 16, 18, 21
251	<i>Catharanthus pusillus</i> (Murr.) G. Don (= <i>Vinca pusilla</i> Murr.)	H	51017	R- Anticancer, Fever, Lumbago	16, 17, 18, 21
252	<i>Catharanthus roseus</i> (L.) G. Don (= <i>Vinca rosea</i> L.; <i>Lochnera rosea</i> (L.) Reich. ex Spach)	H	48510	R & L-Anti-cancerous, Hypotensive, Leukemia, Sedative, controls high BP, Diabetes, Menorrhagia, Swelling of body	16, 17, 18, 21
253	<i>Cynanchum acidum</i> (Roxb.) Oken (= <i>Sarcostemma acidum</i>) Roxb. Voigt	C	48537	WP-Lactation, Emetic, Narcotic; R- Rabies; Lt – Ulcers	16,17, 18,
254	<i>Hemidesmus indicus</i> (L.) R. Br. var. <i>indicus</i>	C	49473	R-Antidote to snake bite, Blood purifier, Hypertension, Debility, Diarrhea, Diaphoretic, Dysentery, Urine complaints, Refrigerant, Syphilis	15, 16, 17, 18, 21
255	<i>Leptadenia reticulata</i> (Retz.) Wight & Arn.	C	49467	WP- Stimulant; Lt -Earache; L- Skin diseases	15, 16, 17, 18,
256	<i>Pentatropis capensis</i> (L. f.) Bullock	C	48638	WP-Refrigerant	18
257	<i>Pergularia daemia</i> (Forssk.) Chiov.	C	48444	WP-Anthelmintic, Asthma, Blood purification, Cough, Gastro-Intestinal Ulcers, Rheumatism, Leucoderma; L - Jaundice, Swellings, Scabies.	15, 16, 17, 18, 21
258	<i>Stephanotis volubilis</i> (L.f.) S. Reuss, Liede & Meve (= <i>Dregea volubilis</i> (L.f.) Benth. ex Hook.f.)	L	48669	WP - Eye diseases; B – Bone fractures; R-Emetic, Expectorant	15, 16, 17, 18, 21
259	<i>Vincetoxicum indicum</i> (Burm.f.) Merr. (= <i>Tylophora indica</i> (Burm.f.) Merr.)	C	48526	R - Emetic, Cathartic; L-Asthma, Antidote for snake bite, Eczema, Epilepsy	16, 17, 18, 21
260	<i>Wrightia tinctoria</i> (Roxb.) R. Br.	T	48436	R & B-Asthma, Piles, Snake bite, Scorpion sting, Stomach ache; L-Skin diseases, Tooth-ache; Lt - Wounds	15, 16, 17, 18, 21
	CONVOLVULACEAE				
261	<i>Camonea umbellata</i> (L.) A.R. Simoes & Staples (= <i>Merremia umbellata</i> (L.) Hallier f.)	C	57949	WP – Rheumatism, Neuralgia, Diuretic	20
262	<i>Cuscuta reflexa</i> Roxb.	H	48626	WP – Astringent, Blood pressure, Chest pain, Hair tonic, Liver complaints, Purgative	15, 17, 18
263	<i>Distimake aegyptius</i> (L.) A.R. Simoes & Staples (= <i>Merremia aegyptia</i> (L.) Urban	C	48624	L- Burns	20
264	<i>Evolvulus alsinoides</i> (L.) L.	H	51010	WP – Anthelmintic, Bronchitis, Dysentery, Febrifuge, Memory booster; L- Asthma	15, 16, 17, 18, 21
265	<i>Ipomoea carnea</i> Jacq. ssp. <i>fistulosa</i> (Mart. ex Choisy) D. Austin	S	36829	L-Purgative; Lt-Skin disorders	20
266	<i>Ipomoea optica</i> (L.) Roth.	C	59046	L- Dizziness & Intoxication	20
267	<i>Ipomoea hederifolia</i> L.	C	59052	Sd-Laxative; R-Cathartic	22
268	<i>Ipomoea obscura</i> (L.) Ker. Gawl.	C	48659	L- Aphthous, Dysentery, Sores	15, 17, 21
269	<i>Ipomoea pes-tigridis</i> L.	C	48582	R-Laxative, Purgative; L-Fever, Eye diseases	15, 17, 21
270	<i>Ipomoea triloba</i> L.	C	59038	L-Stomachache	20
271	<i>Merremia emarginata</i> (Burm. f.) Hallier f.	C	59039	L – Skin diseases	18
272	<i>Merremia hederacea</i> (Burm. f.) Hallier f.	C	49450	WP – Tonsillitis	20
273	<i>Rivea hypocrateriformis</i> (Desr.) Choisy	L	50554	R- Fits, Snake bite, Relieves labour pains; L- Throat pain	17, 18, 21
274	<i>Xenostegia tridentata</i> (L.) D.F. Austin & Staples	H	51065	WP-Laxative, Wounds, Rheumatism, Piles, Urinary Disorders	15, 16, 17, 18, 21
	SOLANACEAE				
275	<i>Datura innoxia</i> Miller	H	49437	L-Anaesthetic, Asthma, Rheumatism, Alopecia	16,17, 21
276	<i>Datura metel</i> L.	H	390	WP – Asthma, Bronchitis, Cough, Ring worm, Piles; L - Antispasmodic; Sd- Elephantiasis	15, 16, 21
277	<i>Datura stramonium</i> L.	H	48654	WP-Aphrodisiac, Piles; L – Asthma; Sd – Narcotic, Parkinson's disease	15, 17
278	<i>Physalis angulata</i> L. (= <i>P. minima</i> L.)	H	48594	WP-Gastric disorders, Diuretic, Laxative	15, 17, 18, 21

279	<i>Solanum anguivi</i> Lam.	H	59054	Fr – High blood pressure, Ulcers, Diabetes	18
280	<i>Solanum melongena</i> subsp. <i>cumingii</i> (Dunal) J.Samuel (= <i>S. melongena</i> subsp. <i>insanum</i> (L.) Alef.	H	48411	R & L-Cholera, Asthma, Sore throat	20
281	<i>Solanum nigrum</i> L.	H	48549	WP - Antiseptic, Antidysenteric; L-Ear & eye complaint, Jaundice, Liver disorders, Rheumatism; Fr – Blood purifier, Heart ailments, Diuretic	15, 16, 17, 18, 21
282	<i>Solanum virginianum</i> L. (= <i>S. surattense</i> Burm.f.; (= <i>S. xanthocarpum</i> Schrad.)	H	51064	R & Sd-Expectorant, Bronchial asthma; L-Rheumatism, Snake bite	17, 18, 21
BORAGINACEAE					
283	<i>Euploca marifolia</i> (J.Koenig ex Retz.) Ancy & P.Javad (= <i>Heliotropium scabrum</i> Retz.)	H	51141	WP- Gout, Skin disorders, Inflammation	20
284	<i>Euploca ovalifolia</i> (Forssk.) Diane & Hilger (= <i>Heliotropium ovalifolium</i>)	H	48719	WP-Syphilis	17
285	<i>Heliotropium indicum</i> L.	H	36133	WP-Astringent, Rheumatism, Throat infections, Ulcers, Blood cancer; R- Cough & Fever; L - Dog bite, Scorpion bite	15, 16, 17, 18, 21
286	<i>Heliotropium zeylanicum</i> (Burm.f.) Lam. (= <i>H. subulatum</i> Hochst. ex. A. DC.) Vatke.	H	48377	R-Stomachic, Laxative	20
287	<i>Trichodesma indicum</i> (L.) Sm.	H	51034	WP – Carminative, Constipation, Diuretic, Eczema	15, 16, 17, 18, 21
PLANTAGINACEAE					
288	<i>Bacopa monnieri</i> (L.) Wettst.	H	51194	WP – Diuretic, Nervine tonic, Vermifuge, Asthma, Epilepsy, Insanity, Fever, Liver, Urinary, Brain disorders	16, 17, 18, 21
LINDERNIACEAE					
289	<i>Lindernia parviflora</i> (Roxb.) Haines	H	48603	WP – Fever, Inflammation, Skin diseases	20
PEDALIACEAE					
290	<i>Petalium murex</i> L.	H	48451	WP- Gonorrhoea, Urinary troubles, Mouth ulcers; Fr- Antispasmodic, Demulcent, Aphrodisiac	15, 16, 18, 21
291	<i>Sesamum indicum</i> L. (= <i>S. orientale</i> L.)	H	49425	WP-Heart pain; Sd-Constipation, Impotency, Scabies, Smallpox, Diuretic, Lactagogue	15, 16, 17, 18, 21
MARTYNIACEAE					
292	<i>Martynia annua</i> L.	H	48452	R-Tonsillitis; L-Epilepsy, Sore throat, Tuberculosis; Sd-Eczema, Rheumatism	15, 17, 18, 21
ACANTHACEAE					
293	<i>Andrographis echiooides</i> (L.) Nees (= <i>Indoneesiella echiooides</i> (L.) Sreemadh.)	H	51019	WP-Fever	15, 21
294	<i>Andrographis longipedunculata</i> (Sreemadh.) L.H.Cramer ex Karthik. & Moorthy (= <i>Indoneesiella longipedunculata</i> (Sreem.) Sreem.	H	48404	WP-Fever	20
295	<i>Andrographis paniculata</i> (Burm.f.) Wall. ex Nees	H	59040	WP – Malaria, Febrifuge, Fever, Diarrhea, Dysentery, Skin & Gastric disorders	15, 17, 21
296	<i>Asystasia gangetica</i> (L.) T. Anderson.	H	49426	WP- Anthelmintic, Rheumatism, Swellings, Wounds	15, 17, 21
297	<i>Barleria noctiflora</i> L. f.	S	48601	WP-Anti-diabetic, Anti-inflammatory	22
298	<i>Barleria prionitis</i> L.	S	48573	WP - Dropsy; R-Swellings, Tooth ache; L-Cough, Ear complaints, Piles, Rheumatism	15, 16, 17, 21
299	<i>Blepharis integrifolia</i> (L.f.) E.Mey. & Drege ex Schinz (= <i>B. repens</i> (Vahl) Roth; <i>B. molluginifolia</i> Pers.)	H	48477	WP - Antibacterial, Antioxidant	20
300	<i>Dicliptera paniculata</i> (Forssk.) I.Darbysh. (= <i>Peristrophe bicalyculata</i> (Retz.) Nees; <i>P. Paniculata</i> (Forssk.) Brummit)	H	36846	R-Gout, Rheumatism; WP – Insomnia, Fractures, Tuberculosis, Antidote for snakebite	15, 21
301	<i>Ecobolium viride</i> (Forssk.) Alston.	H	59029	R – Jaundice, Rheumatism, Menorrhagia	17
302	<i>Elytraria acaulis</i> (L.f.) Lindau	H	50564	WP – Diabetes, Diarrhoea	20
303	<i>Justicia glauca</i> Rottl.	H	48407	WP - Antibacterial	20
304	<i>Lepidagathis cristata</i> Willd.	H	59032	WP-Skin diseases, Scabies, Sores, Syphilis, Fever	16, 21
305	<i>Rostellularia procumbens</i> (L) Nees (= <i>Justicia procumbens</i> L.)	H	48408	WP-Anthelmintic, Diaphoretic, Diuretic, Laxative; L - O phthalia	15, 17
306	<i>Rostellularia vahliana</i> (Schultes) Mabb.	H	59042	WP-Anti-inflammatory, Antioxidant	20
307	<i>Ruellia patula</i> Jacq. (= <i>Dipteracanthus patulus</i> (Jacq.) Nees)	H	48371	R-Anti-inflammatory	20
308	<i>Ruellia prostrata</i> Poir.	H	50837	WP-Diuretic, Anti-cancer; L- Gonorrhoea	15, 17
VERBENACEAE					
309	<i>Lantana camara</i> L.	S	51003	L-Malaria, Ring worm, Cure snake bite; St & R- Antipyretic, Antispasmodic	15, 16, 17, 21
310	<i>Phyla nodiflora</i> (L.) Greene	H	48674	WP-Astringent, Diuretic, Febrifuge	16, 18
311	<i>Stachytarpheta jamaicensis</i> (L.) Vahl	H	48680	WP-Anthelmintic, Rheumatism; R-Pneumonia; L- Dysentery, Scabies, Ulcers	16, 17, 21, 18
LAMIACEAE					
312	<i>Anisomeles indica</i> (L.) O. Kuntze	S	36111	WP – Astringent, Carminative; L-Anti-inflammatory; Skin diseases	15, 16, 17, 18, 21
313	<i>Anisomeles malabarica</i> (L.) R. Br.	S	59034	WP – Astringent, Carminative, Rheumatism; R- Antidote for snake bite and scorpion sting	15, 16, 17, 18
314	<i>Clerodendrum phlomidis</i> L.f.	S	48664	WP – Diarrhoea, Dyspepsia; R-Measles; L-Scabies	15, 17, 18, 21
315	<i>Leonotis nepetifolia</i> (L.) R. Br.	H	40603	WP – Paralysis, Laxative; Fl – Ringworm; Sd – Diuretic, Dropsy	15, 17, 18, 21

316	<i>Leucas aspera</i> (Willd.) Link	H	48344	WP – Asthma, Urine complaints, Antipyretic; L - Tonsillitis	16, 17, 18, 21
317	<i>Leucas cephalotes</i> (Roth) Sprengel	H	59048	WP-Cold, Cough, Diaphoretic, Malaria, Scabies, Stimulant	15, 17, 21
318	<i>Leucas hirta</i> (Heyne ex Roth) Sprengel	H	48565	L-Wound healing, Antiseptic	20
319	<i>Leucas lavandulifolia</i> Sm. (= <i>L. indica</i> (L.) Vatke)	H	48616	WP-Diaphoretic, Anthelmintic, Dermatitis	17
320	<i>Leucas urticifolia</i> (Vahl) Sm.	H	57951	L-Astringent, Diuretic	20
321	<i>Mesospaerum suaveolens</i> (L.) Kuntze (= <i>Hyptis suaveolens</i> (L.) Poit.)	S	48362	WP- Parasitic diseases, Stimulant, Carminative; R-Antidote to poisons; L- Wounds, Skin diseases, Antispasmodic, Rheumatism	15, 16, 17, 18, 21
322	<i>Ocimum americanum</i> L. (= <i>Ocimum canum</i> Sims)	H	51076	WP-Carminative, Cough, Diaphoretic, Epilepsy, Hysteria, Skin diseases; L- Influenza	15, 16, 17, 18, 21
323	<i>Ocimum basilicum</i> L.	H	48560	L- Antidote for snake and scorpion venom; Cough, Dropsy, Epilepsy, Diarrhea, Dysentery, Rheumatoid arthritis; Sd - Demulcent, Diuretic	15, 16, 17, 18, 21
324	<i>Ocimum filamentosum</i> Forssk.	H	57952	L-Anti-inflammatory	20
325	<i>Ocimum tenuiflorum</i> L. (= <i>O. sanctum</i> L.)	H	48613	WP-Anti-bacterial; R-Malaria, Leaf blood purifier, Bronchitis, Dropsy, Gastric disorders; Sd- Demulcent	16, 17, 18, 21
326	<i>Vitex negundo</i> L.	T	48656	R – Diuretic, Paralysis, Dropsy, Expectorant, Febrifuge; L - Vermifuge	15, 16, 17, 18, 21
OROBANCHACEAE					
327	<i>Striga asiatica</i> (L.) Kuntze	H	48430	WP-Revitalize appetite	17
328	<i>Striga gesnerioides</i> (Willd.) Vatke.	H	48677	Extract – Anti-inflammatory, Antispasmodic	20
ASTERACEAE					
329	<i>Acanthospermum hispidum</i> DC.	H	44501	L- Diuretic, Skin diseases, Fever	18, 20, 21
330	<i>Ageratum conyzoides</i> L.	H	49472	R-Kidney stones; L-Febrifuge, Antiseptic, Cancer, Ringworm, Piles, Wounds, Leprosy, Cuts	15, 16, 17, 18, 21
331	<i>Blainvillea acmella</i> (L.) Philipson	H	48354	L-Toothache, Stomatitis	20
332	<i>Blumea axillaris</i> (Lam.) DC. (= <i>B. mollis</i> (D. Don) Merr.)	H	49410	L-Diarrhoea & Skin diseases	20
333	<i>Blumea eriantha</i> DC.	H	36180	WP-Anti-cancer, Anti-diarrhoea; L- Carminative	15
334	<i>Blumea obliqua</i> (L.) Druce	H	50930	WP – Respiratory and digestive issues	20
335	<i>Calyptocarpus vialis</i> Less. (= <i>Synedrella vialis</i> (Less.) A. Gray)	H	44549	L - Rheumatism, Skin disorders	20
336	<i>Cyanthillium albicans</i> (DC.) H. Rob. (= <i>Vernonia albicans</i> DC.)	H	36010	L – Fever, Malaria	20
337	<i>Cyanthillium cinereum</i> (L.) H. Roxb. (= <i>Vernonia cinerea</i> (L.) Less.)	H	48531	R – Malaria; WP – Asthma, Bronchitis, Piles, Night blindness; L- Elephantiasis; Sd - Anthelmintic	15, 16, 17, 21
338	<i>Dicoma tomentosa</i> Cass.	H	48405	WP – Febrifuge, Fumigation	15, 17
339	<i>Echinops echinatus</i> Roxb.	H	44565	WP-Diuretic; R- Asthma; L- Malaria; Sd- Aphrodisiac	15, 18, 21
340	<i>Eclipta prostrata</i> (L.) L. (= <i>E. alba</i> (L.) Hassk.)	H	51077	WP – Hair tonic, Anthelmintic	15, 18, 21
341	<i>Emilia sonchifolia</i> (L.) DC.	H	50934	WP – Anthelmintic, Antiseptic, Anti-inflammatory, Antioxidant, Diarrhoea, Febrifuge, Wound healing; L - Night blindness, cuts	15, 16, 17, 18, 21
342	<i>Glossocardia bosvallea</i> (L. f.) DC.	H	48346	WP – Emmenagogue	17, 18
343	<i>Lagascea mollis</i> Cav.	H	51218	Fl-Ear ache	21
344	<i>Launaea intybacea</i> (Jacq.) Beauverd. (= <i>Lactuca runcinata</i> DC.)	H	154	WP- Diuretic; L-Asthma, Bronchitis, Liver disorders	15, 17, 18
345	<i>Launaea procumbens</i> (Roxb.) Ramayya & Rajagopal	H	59053	L – Diarrhoea, Skin disorders	21
346	<i>Parthenium hysterophorus</i> L.	H	51009	R – Anti-dysenteric; WP – Febrifuge, analgesic	21
347	<i>Pulicaria wightiana</i> (DC.) C.B. Clarke	H	48397	WP – Anti-inflammation, Antimicrobial, Bruises	17
348	<i>Sonchus oleraceus</i> L.	H	48509	L – Galactagogue, Jaundice, Liver disorders	21
349	<i>Sphaeranthus indicus</i> L.	H	48623	WP -Health tonic, Laxative; R – Anthelmintic; Fl. – Depurative; B- Piles	15, 16, 17, 18
350	<i>Tridax procumbens</i> L.	H	51058	R – Fever, Antiseptic, Eczema; L- Wounds, Skin diseases, Dandruff; R & L - Febrifuge	15, 16, 17, 18, 21
351	<i>Vicoa indica</i> L. DC. (= <i>Pentanema indicum</i> (L.) Ling)	H	48587	L – Skin diseases, Ulcers; R- Scorpion sting	17, 21
352	<i>Xanthium strumarium</i> L. (= <i>X. indicum</i> J. Koenig)	H	48446	R & L – Herpes, Malaria, Skin diseases, Ring worm, Astringent	15, 16, 17, 18, 21

CONCLUSION

In the present scenario of climate change it is necessary to have systematic documentation of floristic studies along with their use values to have proper awareness on the species facing threats and promote sustainable usage for effective conservation of biodiversity. Documentation of floristic wealth and its use values at institutional levels is necessary for creating awareness and easy monitoring. Further studies have to be focused on preparing an atlas of medicinal plants for the university campuses for wider understanding and focus on medicinal-valued plants.

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