



International Journal of Herbal Medicine

Available online at www.florajournal.com



E-ISSN: 2321-2187
P-ISSN: 2394-0514
IJHM 2016; 4(1): 25-33
Received: 24-11-2015
Accepted: 26-12-2015

Shiddamallayya N
Survey of Medicinal Plants Unit,
National Ayurveda Dietetics
Research Institute,
G.C.P. Annexe, Ashoka Pillar,
Jayanagar Ist Block,
Bangalore – 560011, Karnataka,
India.

Rama Rao V
Survey of Medicinal Plants Unit,
National Ayurveda Dietetics
Research Institute,
G.C.P. Annexe, Ashoka Pillar,
Jayanagar Ist Block,
Bangalore – 560011, Karnataka,
India.

Doddamani SH
Clinical Research Unit,
National Ayurveda Dietetics
Research Institute,
G.C.P. Annexe, Ashoka Pillar,
Jayanagar Ist Block,
Bangalore – 560011, Karnataka,
India.

Venkateshwarlu G
Officer in-Charge,
National Ayurveda Dietetics
Research Institute, G.C.P.
Annexe, Ashoka Pillar,
Jayanagar Ist Block,
Bangalore – 560011, Karnataka,
India.

Correspondence:
Shiddamallayya N
Survey of Medicinal Plants Unit,
National Ayurveda Dietetics
Research Institute,
G.C.P. Annexe, Ashoka Pillar,
Jayanagar Ist Block,
Bangalore – 560011, Karnataka,
India.

A glimpse on forest flora and Indian system of medicine plants of Chitradurga district, Karnataka

Shiddamallayya N, Rama Rao V, Doddamani SH, Venkateshwarlu G

Abstract

Forests are the source of livelihood to forest dwellers and people who are living in and around the foot hills of a forest. A unique climate and geographical conditions were intended to cause a rich floral diversity in the forests of Chitradurga district, Karnataka. This also has direct impact on the life style of surrounding people. During the study of flowering plant species occurrence a total of 366 plants were recorded and photographed. Listed species were also studied with reference to the medicinal role in Indian system of medicine.

Keywords: Flora, Forest, Medicine, Chitradurga, Indian system of Medicine.

1. Introduction

Modernization in the field of applied sciences and least interest in basic sciences are creating a huge gap in the research and development in floristic study. Strain and struggle for plants collection, identification, a very limited number of skilled taxonomists and limited employment opportunity in the subject are the main reason to divert the research minds from the study of forest flora and biodiversity. This is the reason a very limited research work has been taken place in India with special reference to the field of taxonomy from Karnataka [1-20]. In Chitradurga a very limited research work has carried out by scientific community such as Floristic work on composition of Jogimatti forest [21]; Survey in relation to Ethno Medicinal plants at Jogimatti forest [22]; Enlisted plants used for traditional treatment of snake bite by the tribes [23]; Detailed review on *Careya arborea* Roxb. species of Chitradurga and other resources available in Karnataka [24]; Documentation on use of plants in treatment of Jaundice [25]; Study on bio richness of *Anogeissus latifolia* and *Hardwickia binata* using satellite remote sensing [26] and Enlisting of ethno-veterinary medicinal plants used by Lambani community in Chitradurga [27]. Hence the present paper is an effort to enlist all available medicinal plants used in Indian system of medicine in the forest of Chitradurga district, Karnataka.

1.1 Study area

Chitradurga district is a hilly with lots of forts and villages is situated in the central part of Karnataka and geographically it stretches about 3,969 (8437) sq. km area is found between 13° 34' to 15° 02' N latitude and 75° 37' to 77° 01' E latitude. The district bounded by Tumkur district to the south west and south, Chikmagalur district to the southwest, Davanagere district to the west, Bellary district to the north and Anantapur district of Andhra Pradesh state to the east. The district forest is having 06 forest ranges namely Chitradurga, Hiriya, Hosadurga, Holalkere, Challakere and Molakalmuru. The district lies in the heart of the Vedavati river valley, with the Tungabhadra River flowing in the north-west. As per the physio-agronomic classification of the area within the state Chitradurga belong to South-Eastern cool and equitable maidan zone. The terrain is not uniform throughout the district and it is characterized by vast stretches of undulating plains; the forests are dry deciduous to scrub with undulating chain of hills with loamy/sand loamy soil, temperature varies from 15 °C to 37 °C and 744 mm average annual rain fall has been recorded (Fig 1).



Fig 1: Chitradurga district map showing forest areas

2. Methodology

A seasonal floristic survey work has been carried out in the forest ranges of Chitradurga district viz. Chitradurga, Holalkere, Molakalmuru, Challakere, Hosadurga and Hiriyur. During survey all foreseen plants were enlisted, photographed and collected 10-14 inch plant specimen and pressed in the field with collection number. Processed plant specimens to dry and poisoned with 5% $HgCl_2$ to mount on herbarium sheets with detailed labelling by following the methods described by following plant taxonomy literatures [28-30]. Botanical identification was done with the help of available local floras [1-19, 31-33] and also collected plant species were cross verified with the help of preserved authentic herbarium specimens of RRCBI, Survey of Medicinal Plants Unit, NADRI, Jayanagar Ist Block, Bengaluru. The Nomenclature of each species has been updated as per the principles and rules of ICBN [34]. Of

enlisted 159 medicinal plants were listed with reference to Indian system of Medicine such as Ayurveda [35-37], Siddha [38], Homeopathy [39], Unani [40-45] and Tibetan [46].

3. Results

A total of 366 plants were listed in the forests of Chitradurga district. Of which, 194 herb, 42 shrub, 53 climber and 77 trees and similarly, 351 species of 242 genera of 66 families are from Dicots and 15 species of 13 genera of 08 families are belonging to Monocots. The data of enlisted plants has been presented schematically as serial number, Sanskrit name, Kannada name, Botanical name, Family, Habit and (Ayurveda, Siddha, Homeopathy, Unani and Tibetan) Indian systems of medicine (Table 1).

3.1 Tables and Figures

Table 1: Floristic composition and Indian System of Medicine plants (ASHUT) of Chitradurga district.

Sl. No	Sanskrit Name	Kannada name	Botanical Name	Family	Habit	Indian system of Medicine plants (*ASHUT)
1	Gunja	Gulaganji	<i>Abrus precatorius</i> L.	Fabaceae	Climber	AHUT
2	Atibala	Veebhuti gida	<i>Abutilon indicum</i> (L.) Sweet	Malvaceae	Herb	AT
3	Rakta khadira	Kempu jaali	<i>Acacia chundra</i> (Rottler) Willd.	Mimosaceae	Tree	A
4	-	Seeme jaali	<i>Acacia eburnea</i> (L.f.) Willd.	Mimosaceae	Tree	A
5	Irimeda	Kasthoori jaali	<i>Acacia farnesiana</i> (L.) Willd.	Mimosaceae	Tree	S

6	Irimeda	Bili jaali	<i>Acacia leucophloea</i> (Roxb.) Willd.	Mimosaceae	Tree	
7	Babbula	Kari jaali	<i>Acacia nilotica</i> (L.) Delile	Mimosaceae	Tree	A
8	Valli khadira	Kaadu seege	<i>Acacia pennata</i> (L.) Willd.	Mimosaceae	Climber	
9	Haritha manjari	Kuppi gida	<i>Acalypha indica</i> L.	Euphorbiaceae	Herb	AH
10	Apaamaarga	Uttharani	<i>Achyranthes aspera</i> L.	Amaranthaceae	Herb	AUT
11	-	-	<i>Acmella radicans</i> (Jacq.) R.K.Jansen	Asteraceae	Herb	
12	-	-	<i>Acmella uliginosa</i> (Sw.) Cass.	Asteraceae	Herb	
13	-	-	<i>Adina cordifolia</i> (Roxb.) Benth. & Hook.f. ex B.D.Jacks.	Rubiaceae	Tree	
14	Bilva	Bilva pathre	<i>Aegle marmelos</i> (L.) Correa	Rutaceae	Tree	AUT
15	Pashanabheda	Doddahindi gida	<i>Aerva javanica</i> (Burm.f.) Juss. ex Schult.	Amaranthaceae	Herb	
16	Pashana bheda	Bilihindee soppu	<i>Aerva lanata</i> (L.) Juss.	Amaranthaceae	Herb	A
17	Pashana bheda	-	<i>Aerva monsoniae</i> (L.f.) Mart.	Amaranthaceae	Herb	
18	-	Bendu kasa	<i>Aeschynomene indica</i> L.	Fabaceae	Herb	
19	-	Svetha sahadevi	<i>Ageratum conyzoides</i> (L.) L.	Asteraceae	Herb	AS
20	-	-	<i>Ageratum houstonianum</i> Mill.	Asteraceae	Herb	
21	-	Ankole mara	<i>Alangium salvifolium</i> (L.f.) Wangerin	Alangiaceae	Tree	AUT
22	Shirisha	Bilibaage	<i>Albizia procera</i> (Roxb.) Benth.	Mimosaceae	Tree	
23	-	Hasiru budde soppu	<i>Allmania nodiflora</i> (L.) R.Br. ex Wight	Amaranthaceae	Herb	
24	Kumari	Lole sara	<i>Aloe vera</i> (L.) Burm.f.	Liliaceae	Herb	AHUT
25	-	Mullu honagone	<i>Alternanthera pungens</i> Kunth	Amaranthaceae	Herb	
26	Matsyaaksi	Honegone soppu	<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Amaranthaceae	Herb	A
27	-	-	<i>Alysicarpus bupleurifolius</i> (L.) DC.	Fabaceae	Herb	
28	Pashanabheda	Kallurive	<i>Ammannia baccifera</i> L.	Lythraceae	Herb	S
29	-	-	<i>Ammannia multiflora</i> Roxb.	Lythraceae	Herb	
30	Ashvashakrutha	-	<i>Ampelocissus tomentosa</i> (B.Heyne & Roth) Planch.	Vitaceae	Climber	
31	-	-	<i>Andrographis echioides</i> (L.f.) Nees	Acanthaceae	Herb	
32	Kalamegha	Saradaali gida	<i>Andrographis serpyllifolia</i> (Vahl) Wight	Acanthaceae	Herb	
33	-	Karpoorada gida	<i>Anisochilus carnosus</i> (L.f.) Wall.	Lamiaceae	herb	
34	-	Hennu kari thumbe	<i>Anisomeles indica</i> (L.) O.Kuntze	Lamiaceae	Herb	
35	Sprkka	Gandu kari thumbe	<i>Anisomeles malabarica</i> (L.) R.Br. ex Sims	Lamiaceae	Herb	A
36	Seethaphala	Seethaaphala	<i>Annona squamosa</i> L.	Annonaceae	Tree	
37	Dhava	Dindiga	<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall.ex Bedd.	Combretaceae	Tree	T
38	Swarnakshiri	Dathoori	<i>Argemone mexicana</i> L.	Papaveraceae	Herb	AH
39	-	Kallana hambu	<i>Argyrea cuneata</i> (Willd.) Ker Gawl.	Convolvulaceae	Shrub	
40	Vruddadaru	Samudra haalu balli	<i>Argyrea nervosa</i> (Burm. f.) Bojer	Convolvulaceae	Herb	A
41	-	Kuganee balli	<i>Argyrea pilosa</i> Wt. & Arn.	Convolvulaceae	Climber	
42	-	-	<i>Argyrea strigillosa</i> C.Y. Wu	Convolvulaceae	Climber	
43	Eeshvari	Eeshvari balli	<i>Aristolochia indica</i> L.	Aristolochiaceae	Climber	AUT
44	Kaakatundi	Chikka kaage thonde	<i>Asclepias curassavica</i> L.	Asclepiadaceae	Herb	
45	Shatavari	Shataavari	<i>Asparagus racemosus</i> Willd.	Liliaceae	Climber	AT
46	-	-	<i>Asystasia dalzelliana</i> Santapau	Acanthaceae	Herb	
47	Nimba	Bevina mara	<i>Azadirachta indica</i> A.Juss.	Meliaceae	Tree	AHUT
48	Kundali	Bili uppi gida	<i>Azima tetraacantha</i> Lam.	Salvadoraceae	Shrub	A
49	Brahmi	Neeru braahmi	<i>Bacopa monnieri</i> (L.) Wettst.	Scrophulariaceae	Herb	AU
50	-	Gubbachhi mullu	<i>Barleria buxifolia</i> L.	Acanthaceae	Herb	
51	Saireyaka	Mullu goranti	<i>Barleria prionitis</i> L.	Acanthaceae	Herb	A
52	-	-	<i>Blaivillea acmella</i> (L.) Philipson	Asteraceae	Herb	
53	-	-	<i>Blepharis integrifolia</i> (L.f.) E. Mey. & Drege ex Schinz	Acanthaceae	Herb	
54	Utthagana	Kodali soppu	<i>Blepharis maderaspatensis</i> (L.) B.Heyne ex Roth	Acanthaceae	Herb	
55	-	-	<i>Blumea bifoliata</i> (L.) DC.	Asteraceae	Herb	
56	-	-	<i>Blumea eriantha</i> DC.	Asteraceae	Herb	
57	-	-	<i>Blumea obliqua</i> (L.) Druce	Asteraceae	Herb	
58	Punarnava	Nadumurukana balli	<i>Boerhavia diffusa</i> L.	Nyctaginaceae	Herb	AS
59	Shallaki	Saambraani	<i>Boswellia serrata</i> Roxb. ex Colebr.	Burseraceae	Tree	AT
60	Aruni	Kempu hooli	<i>Breynia vitis-idaea</i> (Burm.f.) C.E.C.Fisch.	Euphorbiaceae	Shrub	
61	-	-	<i>Bridelia crenulata</i> Roxb.	Euphorbiaceae	Tree	
62	-	Yamme murukalu gida	<i>Buchanania axillaris</i> (Desr.) Ramamoorthy	Anacardiaceae	Tree	
63	Palasha	Mutthugada mara	<i>Butea monosperma</i> (Lam.) Taub.	Fabaceae	Tree	AUT
64	-	Maragade	<i>Cadaba fruticosa</i> (L.) Druce	Capparaceae	Climber	AS
65	Latakaranja	Gajjagada balli	<i>Caesalpinia bonduc</i> (L.) Roxb.	Caesalpinaceae	Shrub	ASU
66	-	-	<i>Cajanus scarabaeoides</i> (L.) Thouars	Fabaceae	Climber	
67	Arka	Bile ekke gida	<i>Calotropis gigantea</i> (L.) Dryand.	Asclepiadaceae	Shrub	AHT
68	Arka	Ekke gida	<i>Calotropis procera</i> (Aiton) Dryand.	Asclepiadaceae	Shrub	AUT
69	-	Shankahuli	<i>Canscora decussata</i> (Roxb.) Schult. & Schult. f.	Gentianaceae	Herb	AS
70	-	-	<i>Canscora heteroclita</i> (L.) Gilg.	Gentianaceae	Herb	
71	Gangeruki	-	<i>Canthium coromandelicum</i> (Burm.f.) Alston.	Rubiaceae	Shrub	
72	-	Totte	<i>Capparis divaricata</i> Lam.	Capparaceae	Shrub	AS
73	-	Katigolo	<i>Capparis oblongifolia</i> Forssk.	Capparaceae	Climber	
74	Vyaghranakhi	Katthari gida	<i>Capparis sepiaria</i> L.	Capparaceae	Shrub	A
75	Himsra	Aathundi kaayi	<i>Capparis zeylanica</i> L.	Capparaceae	Climber	S
76	-	Mangana kodu	<i>Caralluma adscendens</i> (Roxb.) R.Br.	Asclepiadaceae	Herb	
77	-	Dodda bekkini budde balli	<i>Cardiospermum canescens</i> Wall.	Sapindaceae	Climber	
78	Kaakatikta	Bekkin toddina balli	<i>Cardiospermum halicacabum</i> L.	Sapindaceae	Herb	AUT
79	Karamarda	Kavali gida	<i>Carissa carandas</i> L.	Apocynaceae	Shrub	A
80	Carandas	Karimanji	<i>Carissa congesta</i> Wight	Apocynaceae	Shrub	
81	-	Eleadike soppu	<i>Carmona retusa</i> (Vahl) Masam.	Rubiaceae	Shrub	

82	Peetha karaveera	Gowri hoo	<i>Cascabela thevetia</i> (L.) Lippold	Apocynaceae	Tree	
83	Aaragwadha	Kakke mara	<i>Cassia fistula</i> L.	Caesalpinaceae	Tree	AUT
84	-	Kaadu sonamukhi	<i>Cassia italica</i> (Mill.) Lamk. ex F.W.Andrews	Caesalpinaceae	Herb	A
85	Krishnamushaka	Mukkarki	<i>Cassine glauca</i> (Rottb.) Kuntze	Celastraceae	Tree	
86	Madana		<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Rubiaceae	Tree	A
87	Jyothishmathi	Bhavanga beeja	<i>Celastrus paniculatus</i> Willd.	Celastraceae	Climber	AUT
88	Sitivaraka	Kolijuttina gida	<i>Celosia argentea</i> L.	Amaranthaceae	Herb	T
89	-		<i>Ceropegia candelabrum</i> L.	Asclepiadaceae	Climber	
90	-	Kamyunist kale	<i>Chromolaena odorata</i> (L.) R.M.King. & H. Rob.	Asteraceae	Herb	
91	Paatha	Hondike balli	<i>Cissampelos pareira</i> L.	Menispermaceae	Climber	AT
92	Astishrunkhala	Mangaravalli	<i>Cissus quadrangularis</i> L.	Vitaceae	Herb	A
93	-		<i>Cissus woodrowii</i> (Stapf ex Cooke) Santapau	Vitaceae	Shrub	
94	Indravaruni	Haavu mekke kaayi	<i>Citrullus colocynthis</i> (L.) Schrad.	Cucurbitaceae	Climber	AHU
95	-	Adavi saasive	<i>Cleome felina</i> L.f.	Capparaceae	Herb	
96	Suvarchala	Kaadu saasive	<i>Cleome viscosa</i> L.	Capparaceae	Herb	AAS
97	Bharangi	Gantu bharangi	<i>Clerodendrum serratum</i> (L.) Moon	Verbenaceae	Shrub	AT
98	Aparajitha	Shankapushpi	<i>Clitoria ternatea</i> L.	Fabaceae	Herb	AT
99	Bimbi	Thonde kaayi	<i>Coccinia grandis</i> (L.) Voigt	Cucurbitaceae	Climber	AT
100	Paathaalagarudi	Daagadi balli	<i>Cocculus hirsutus</i> (L.) W.Theob.	Menispermaceae	Climber	A
101	Girishaalmalika	Bettataavare	<i>Cochlospermum religiosum</i> (L.) Alston	Cochlospermaceae	Tree	A
102	Thripakshee	Hamsapaadi	<i>Coldenia procumbens</i> L.	Ehretiaceae	Herb	
103	-	Yade balli	<i>Combretum ovalifolium</i> Roxb.	Combretaceae	Climber	
104	-		<i>Commelina clavata</i> C.B.Clarke	Commelinaceae	Herb	
105	-		<i>Commelina erecta</i> L.	Commelinaceae	Herb	
106	-	Betta davana	<i>Conyza stricta</i> Willd.	Asteraceae	Herb	
107	Chanchuki	Chunchu	<i>Corchorus aestuans</i> L.	Tiliaceae	Herb	
108	Chanchuki	Chunchali soppu	<i>Corchorus fascicularis</i> Lam.	Tiliaceae	Herb	
109	Pattashaka	Dodda chunchali gida	<i>Corchorus olitorius</i> L.	Tiliaceae	Herb	
110	-	Adavi challe	<i>Cordia sebestena</i> L.	Cordiaceae	Tree	
111	-		<i>Crotalaria medicaginea</i> Lam.	Fabaceae	Herb	
112	Sanapushpi	Geje gida	<i>Crotalaria retusa</i> L.	Fabaceae	Herb	
113	-	Nela bedi soppu	<i>Croton bonplandianus</i> Baill.	Euphorbiaceae	Herb	
114	Krishna saariva	Metguli hambu	<i>Cryptolepis dubia</i> (Burm.f.) M.R.Almeida	Asclepiadaceae	Climber	
115	-	Hambu rubber gida	<i>Cryptostegia grandiflora</i> Roxb. ex R.Br.	Asclepiadaceae	Climber	
116	-		<i>Ctenolepis garcinii</i> (L.) C.B.Clarke	Cucurbitaceae	Climber	
117	Vishala	Haavu southe	<i>Cucumis melo</i> L.	Cucurbitaceae	Climber	AT
118	-		<i>Cyanotis axillaris</i> (L.) D.Don ex Sweet	Commelinaceae	Herb	
119	Sahadevi	Karihindi soppu	<i>Cyanthillium cinereum</i> (L.) H.Rob.	Asteraceae	Herb	
120	Lakshmana		<i>Cynoglossum zeylanicum</i> (Lehm.) Brand.	Boraginaceae	Herb	
121	-	Huli mangaravalli	<i>Cyphostemma setosum</i> (Roxb.) Alston	Vitaceae	Climber	
122	-	Bibeete	<i>Dalbergia paniculata</i> Roxb.	Fabaceae	Tree	
123	Shimshapa	Baage	<i>Dalbergia sissoo</i> Roxb.	Fabaceae	Tree	AUT
124	Rathnagandhi	Niranji	<i>Delonix elata</i> (L.) Gamble	Caesalpinaceae	Tree	AS
125	Vrikshaadani	Sigare badanike	<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	Loranthaceae	Herb	A
126	-	Kaadu menthe	<i>Desmodium triflorum</i> (L.) DC.	Fabaceae	Herb	AS
127	Vellanthara	Vadavaarada gida	<i>Dichrostachys cinerea</i> (L.) Wight. & Arn.	Mimosaceae	Tree	AST
128	-		<i>Dicliptera verticillata</i> (Forssk.) C.Chr.	Acanthaceae	Herb	
129	-		<i>Dicoma tomentosa</i> Cass.	Asteraceae	Herb	
130	Varaahi	Kaadugumbala	<i>Dioscorea pentaphylla</i> L.	Dioscoreaceae	Climber	A
131	Kenduka	Beedi ele mara	<i>Diospyros melanoxylon</i> Roxb.	Ebenaceae	Tree	AS
132	Tinduka	Jagalanti mara	<i>Diospyros montana</i> Roxb.	Ebenaceae	Tree	
133	Lingini	Linga thonde balli	<i>Diplocyclos palmatus</i> (L.) Jeffrey	Cucurbitaceae	Climber	S
134	Harivera	Mudivaala	<i>Diplopenta odorata</i> Alef.	Malvaceae	Herb	
135	Rasna	Bandarike	<i>Dononaea viscosa</i> Jacq.	Sapindaceae	Shrub	
136	-	Mena singi	<i>Dolichandrone atrovirens</i> (Roth) K.Schum.	Bignoniaceae	Tree	
137	Vishanika	Good murki	<i>Dolichandrone falcata</i> (Wall. ex DC.) Seem.	Bignoniaceae	Tree	
138	Vanapalaandu	Nari ullaagaddi	<i>Drimys indica</i> (Roxb.) Jessop	Liliaceae	herb	
139	Uthkantaka	Brahmadande	<i>Echinops echinatus</i> Roxb.	Asteraceae	Herb	A
140	Bhringaraja	Garugada soppu	<i>Eclipta prostrata</i> (L.) L.	Asteraceae	Herb	AUT
141	Charmakasa	Haalippe	<i>Ehretia laevis</i> Roxb.	Ehretiaceae	Tree	
142	-	Elikivi gida	<i>Emilia sonchifolia</i> (L.) DC. ex DC.	Asteraceae	Herb	AS
143	Mamejaka	Chikka chiraayatha	<i>Enicostema hyssopifolium</i> (Willd.) Verd.	Gentianaceae	Herb	AS
144	-		<i>Eriocaulon diana</i> e Fyson	Eriocaulaceae	Herb	
145	Kanta palaash	Mullu mutthala	<i>Erythrina suberosa</i> Roxb.	Fabaceae	Tree	A
146	Raktadaaru	Daevadaaru	<i>Erythroxylum monogynum</i> Roxb.	Erythroxylaceae	Shrub	
147	Vajrakantaka	Chadara galli	<i>Euphorbia antiquorum</i> L.	Euphorbiaceae	Herb	AS
148	-		<i>Euphorbia clarkeana</i> Hook.f.	Euphorbiaceae	Herb	
149	-		<i>Euphorbia cristata</i> B.Heyne ex Roth	Euphorbiaceae	Herb	
150	Dugdika	Kempuneneyakki soppu	<i>Euphorbia hirta</i> L.	Euphorbiaceae	Herb	A
151	Snuhi	Yelakalli	<i>Euphorbia nerrifolia</i> L.	Euphorbiaceae	Tree	AT
152	Snuhi	Gootagalli	<i>Euphorbia nivulia</i> Buch.-Ham.	Euphorbiaceae	Herb	AS
153	Vijradruma	Kolukalli	<i>Euphorbia tirucalli</i> L.	Euphorbiaceae	Tree	AS
154	Shankhapushpi	Vishnu karande	<i>Evolvulus alsinoides</i> (L.) L.	Convolvulaceae	Herb	AT
155	-	Dodda chirayatha	<i>Exacum pedunculatum</i> L.	Gentianaceae	Herb	
156	Dhanvayasa	Mullumuddu gida	<i>Fagonia indica</i> Burm.f.	Zygophyllaceae	Herb	
157	Plaksha	Kaadu godhi	<i>Ficus arnottiana</i> (Miq.) Miq.	Moraceae	Tree	A

158	Vata	Aaladamara	<i>Ficus benghalensis</i> L.	Moraceae	Tree	AT
159	-	Kirigoli	<i>Ficus microcarpa</i> L.f.	Moraceae	Tree	
160	-	Kaadu atthi	<i>Ficus mollis</i> Vahl	Moraceae	Tree	A
161	Ashwatta	Aralimara	<i>Ficus religiosa</i> L.	Moraceae	Tree	AHT
162	-	Kodokili	<i>Firmiana colorata</i> (Roxb.) R.Br.	Sterculiaceae	Tree	
163	Pulaa	Bili sooli	<i>Flueggea virosa</i> (Roxb. ex Willd.) Royle	Euphorbiaceae	Shrub	
164	-	Pettugori hullu	<i>Fuirena ciliaris</i> (L.) Roxb.	Cyperaceae	Herb	
165	-		<i>Galactia tenuiflora</i> (Willd.) Wight & Arn.	Fabaceae	Climber	
166	Nadilingu	Bikki gida	<i>Gardenia resinifera</i> Roth	Rubiaceae	Tree	
167	-	Bili thaale	<i>Givonia rotteriformis</i> Griff. ex Wight	Euphorbiaceae	Tree	S
168	Iksura	Chandrakaasi soppu	<i>Glinus lotoides</i> L.	Aizoaceae	Herb	A
169	Laangali	Karadikannina gedde	<i>Gloriosa superba</i> L.	Liliaceae	Climber	A
170	Gambhari	Gupsi	<i>Gmelina arborea</i> Roxb.	Verbenaceae	Tree	AT
171	-		<i>Gnaphalium leuto-album</i> L.	Asteraceae	Herb	
172	-		<i>Gomphrena serrata</i> L.	Amaranthaceae	Herb	
173	-	Maachi pathre	<i>Grangea maderaspatana</i> (L.) Desf.	Asteraceae	Herb	
174	-	Udippe mara	<i>Grewia damine</i> Gaertn.	Tiliaceae	Shrub	
175	-	Karakele	<i>Grewia flavescens</i> Juss.	Tiliaceae	Shrub	
176	Dhanvana	Batale	<i>Grewia tilifolia</i> Vahl	Tiliaceae	Tree	
177	-		<i>Habenaria plantaginea</i> Lindl.	Orchidaceae	Herb	
178	-	Kammara	<i>Hardwickia binata</i> Roxb.	Caesalpiniaceae	tree	
179	-		<i>Heliotropium ovalifolium</i> Forssk.	Boraginaceae	Herb	
180	-		<i>Heliotropium ramosissimum</i> (Lehm.) Sieber ex DC.	Boraginaceae	Herb	
181	Hasti sundi		<i>Heliotropium zeylanicum</i> (Burm.f.) Lam.	Boraginaceae	Herb	
182	Saariva	Kempu gandha	<i>Hemidesmus indicus</i> (L.) R.Br.	Asclepiadaceae	Climber	AT
183	-		<i>Hibiscus lobatus</i> (Murray) Kuntze	Malvaceae	Herb	
184	-	Lopale	<i>Hibiscus ovalifolius</i> (Forssk.) Vahl	Malvaceae	Herb	
185	Bhaaradvaji	Kaadupundi soppu	<i>Hibiscus vitifolius</i> L.	Malvaceae	Herb	
186	Sthalakamala		<i>Hybanthus enneaspermus</i> (L.) F.Muell.	Violaceae	Herb	AS
187	-		<i>Hymenanthemum tenuifolium</i> Cass.	Asteraceae	Herb	
188	Bhusthrana	Ganga thulasi	<i>Hyptis suaveolens</i> (L.) Poit.	Lamiaceae	Shrub	
189	Krishnaaariva	Kari hambu	<i>Ichnocarpus frutescens</i> (L.) W.T.Aiton	Apocynaceae	Climber	AST
190	Thairini	Karna kundala	<i>Impatiens balsamina</i> L.	Balsaminaceae	Herb	
191	-	Chennata	<i>Indigofera cassioides</i> DC.	Fabaceae	Herb	
192	-		<i>Indigofera cordifolia</i> Roth	Fabaceae	Herb	
193	-	Neela balli	<i>Indigofera glabra</i> L.	Fabaceae	Herb	
194	-		<i>Indigofera linifolia</i> (L.f.) Retz.	Fabaceae	Herb	
195	-	Kanneggilu	<i>Indigofera linnaei</i> Ali	Fabaceae	Herb	
196	-		<i>Indigofera prostrata</i> Willd.	Fabaceae	Herb	
197	Neelini	Neeli gida	<i>Indigofera tinctoria</i> L.	Fabaceae	Herb	AHT
198	-		<i>Indigofera wighti</i> Wight & Arn.	Fabaceae	Shrub	
199	-	Bekkinahenje balli	<i>Ipomoea coccinea</i> (L.) Sweet	Convolvulaceae	Climber	
200	Lakshmana	Mooguthi balli	<i>Ipomoea obscura</i> (L.) Ker Gawl.	Convolvulaceae	Climber	AS
201	Saagaramekhala	Aaduballi	<i>Ipomoea pes-caprae</i> Roth	Convolvulaceae	Herb	AST
202	-		<i>Ipomoea staphyllin a</i> Roem. & Schult.	Convolvulaceae	Climber	
203	Nevali		<i>Ixora pavetta</i> Andr.	Rubiaceae	Shrub	
204	Yoothhika	Adavi malle	<i>Jasminum cuspidatum</i> Rottl. & Willd.	Oleaceae	Climber	
205	-		<i>Jasminum roxburghianum</i> Wall. ex C.B.Clarke	Oleaceae	Climber	
206	Vyaghra eranda	Dodda haralu	<i>Jatropha curcas</i> L.	Euphorbiaceae	Shrub	AH
207	Dravanthi	Chikkakaada haralu	<i>Jatropha gossypifolia</i> L.	Euphorbiaceae	Shrub	
208	Vasa	Aadu sogge	<i>Justicia adhatoda</i> L.	Acanthaceae	Shrub	AH
209	-		<i>Justicia diffusa</i> Willd.	Acanthaceae	Herb	
210	-		<i>Justicia glauca</i> Rottler	Acanthaceae	Herb	
211	-		<i>Kickxia ramosissima</i> (Wall.) Janch.	Scrophulariaceae	Herb	
212	-		<i>Knoxia sumatrensis</i> (Retz.) DC.	Rubiaceae	Herb	
213	-		<i>Kohautia aspera</i> (B.Heyne ex Roth) Bremek.	Rubiaceae	Herb	
214	Jarul	Bolnandi	<i>Lagerstroemia parviflora</i> Roxb.	Lythraceae	Tree	
215	Ganikaarika	Baeligida	<i>Lantana camara</i> L.	Verbenaceae	Shrub	A
216	-		<i>Launaea procumbens</i> (Roxb.) Ramayya & Rajgopal	Asteraceae	Herb	
217	Granthiparni	Gantu thumbe	<i>Leonotis nepetifolia</i> (L.) R.Br.	Lamiaceae	Shrub	
218	-	Gantukaalu gedde	<i>Lepidagathis cristata</i> Willd.	Acanthaceae	Herb	
219	Drona pushpi	Thumbe gida	<i>Leucas aspera</i> (Willd.) Link	Lamiaceae	Herb	A
220	-		<i>Leucas decedentata</i> var. decedentata	Lamiaceae	Herb	
221	Drona pushpi		<i>Leucas montana</i> (Roth) Spreng.	Lamiaceae	Herb	
222	-	Paana lavanga	<i>Ludwigia octovalvis</i> (Jacq.) P.H.Raven	Onagraceae	Herb	
223	-	Kaarebendu gida	<i>Ludwigia peremis</i> L.	Onagraceae	Herb	
224	-	Hurali	<i>Macrotyloma uniflorum</i> (Lam.) Verdc.	Fabaceae	Herb	A
225	Madhuka	Hippe	<i>Madhuca latifolia</i> (Roxb.) J.F.Macbr.	Sapotaceae	Tree	T
226	Madhuka	Hippe	<i>Madhuca longifolia</i> (J.Konig ex L.) J.F.Macbr.	Sapotaceae	Tree	S
227	-		<i>Malvastrum coromandelianum</i> (L.) Garcke	Malvaceae	Herb	
228	Madhunaashine		<i>Marsdenia sylvestris</i> (Retz.) P.I.Forst.	Asclepiadaceae	Climber	
229	Kaaknaasha	Garudamoogu mullu	<i>Martynia annua</i> L.	Martyniaceae	Herb	
230	Vikankala	Thandarsi	<i>Maytenus emarginata</i> (Ruiz & Pav.) Loes.	Celastraceae	Shrub	A
231	Prasarini	Elikivi soppu	<i>Merremia tridentata</i> (L.) Hallier f.	Convolvulaceae	Herb	AS
232	-	Peraneela bidiru	<i>Meyena hawtanyneana</i> (Wall.) Nees	Acanthaceae	Climber	
233	-	Sagarenullina gida	<i>Mimosa hamata</i> Willd.	Mimosaceae	Shrub	

234	Lajjalu	Naachike mullu	<i>Mimosa pudica</i> L.	Mimosaceae	Herb	AT
235	Bhoomi kadamba	Kadagada	<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Rubiaceae	Tree	AS
236	-	Kaagepurale gida	<i>Mollugo cerviana</i> (L.) Ser.	Molluginaceae	Herb	A
237	Jaraasi	Jaraasi	<i>Mollugo pentaphylla</i> L.	Molluginaceae	Herb	AS
238	Achyutha	Haladi paavate	<i>Morinda citrifolia</i> L.	Rubiaceae	Tree	S
239	Kapikachu	Nasugunni	<i>Mucuna prurita</i> (L.) Hook.	Fabaceae	Climber	AUT
240	-	Kaadu thuvare	<i>Mundulea sericea</i> (Willd.) A.Chev.	Fabaceae	Shrub	
241	-	-	<i>Nothosaerva brachiata</i> (L.) Wight.	Amaranthaceae	Herb	
242	Paarijaatha	Paarijathaka	<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	Tree	ASH
243	Kshudra pama	Raama thulasi	<i>Ocimum americanum</i> L.	Lamiaceae	Herb	AS
244	Rama thulsi	Kaadu thulasi	<i>Ocimum gratissimum</i> L.	Lamiaceae	Herb	A
245	Tulsi	Krishna thulasi	<i>Ocimum tenuiflorum</i> L.	Lamiaceae	Herb	AUT
246	-	-	<i>Oldenlandia umbellata</i> L.	Rubiaceae	Herb	A
247	-	-	<i>Oligochaeta ramosa</i> Wagenitz	Asteraceae	Herb	
248	Bahudugdika	Paapasu kalli	<i>Opuntia dillenii</i> (Ker Gawl.) Haw.	Cactaceae	Shrub	
249	-	-	<i>Orthosiphon rubicundus</i> (D.Don) Benth.	Lamiaceae	Herb	
250	-	Thamparaala	<i>Osyris quadripartita</i> Salzm. ex Decne.	Santalaceae	Shrub	
251	Changeri	Majjige soppu	<i>Oxalis corniculata</i> L.	Oxalidaceae	Herb	A
252	Dugdika	-	<i>Oxystelma secamone</i> K.Schum.	Asclepiadaceae	Climber	
253	Ketaki	Thaale hoo	<i>Pandanus odorifer</i> (Forssk.) Kuntze.	Pandanaceae	Tree	
254	-	Parangi jaali	<i>Parkinsonia aculeata</i> L.	Caesalpiniaceae	Tree	
255	-	Parthenium gida	<i>Parthenium hysterophorus</i> L.	Asteraceae	Herb	
256	Kukke balli	Kukke balli	<i>Passiflora foetida</i> L.	Passifloraceae	Climber	AS
257	Sittaamutti	Antu thogari	<i>Pavonia zeylanica</i> Cav.	Malvaceae	Herb	AS
258	Kurutaka	Haalu koratige	<i>Pergularia daemia</i> (Forssk.) Chiov.	Asclepiadaceae	Climber	AS
259	Kaakajanghaa	Cheebee gida	<i>Peristrophe paniculata</i> (Forsskal) Burmmit	Acanthaceae	Herb	
260	-	Kiri eechalu	<i>Phoenix loureiroi</i> Kunth	Arecaceae	Shrub	AS
261	Kharjooi	Eechalu	<i>Phoenix sylvestris</i> (L.) Roxb.	Arecaceae	Tree	AT
262	Amalaki	Bettadanelli kaayi	<i>Phyllanthus emblica</i> L.	Euphorbiaceae	Tree	AU
263	Bhoomyaamalaki	Nela nelli	<i>Phyllanthus fraternus</i> G.L. Webster	Euphorbiaceae	Herb	A
264	Bhoomi amlaki	Kiru nelli	<i>Phyllanthus maderaspatensis</i> L.	Euphorbiaceae	Herb	A
265	Krishna kaamboji	-	<i>Phyllanthus reticulatus</i> Poir.	Euphorbiaceae	Shrub	AS
266	Chitraka	Bilichithra moola	<i>Plumbago zeylanica</i> L.	Plumbaginaceae	Herb	AUT
267	Parpaata	Paade mullu	<i>Polycarpha corymbosa</i> (L.) Lam.	Caryophyllaceae	Herb	
268	-	-	<i>Polygala erioptera</i> DC.	Polygalaceae	Herb	
269	Karanja	Honge mara	<i>Pongamia pinnata</i> (L.) Pierre	Fabaceae	Tree	AUT
270	Lonika	Goli soppu	<i>Portulaca oleracea</i> L.	Portulacaceae	Herb	A
271	-	Sirantu gida	<i>Priva cordifolia</i> (L.f.) Druce	Verbenaceae	Herb	
272	Sami	Perumbe	<i>Prosopis cineraria</i> (L.) Druce	Mimosaceae	Tree	A
273	-	-	<i>Prosopis juliflora</i> (Sw.) DC.	Mimosaceae	Tree	
274	-	Kabali mullu	<i>Pterolobium hexapetalum</i> (Roth) Santapau & Wagh	Caesalpiniaceae	Climber	
275	-	-	<i>Pulicaria angustifolia</i> DC.	Asteraceae	Herb	
276	-	Antupurale gida	<i>Pupalia lappacea</i> (L.) Juss.	Amaranthaceae	Herb	
277	Salabe	Kakada shringi	<i>Rhus mysorensis</i> G.Don	Anacardiaceae	Shrub	
278	-	Bettavare	<i>Rhynchosia minima</i> (L.) DC.	Fabaceae	Climber	
279	-	-	<i>Rhynchosia suaveolens</i> (L.f.) DC.	Fabaceae	Herb	
280	-	Neer boddi	<i>Rivea hypocrateriformis</i> Choisy	Convolvulaceae	Climber	
281	-	Hucchu nelabaevu	<i>Rostellularia procumbens</i> Nees	Acanthaceae	Herb	
282	-	-	<i>Rostellularia prostrata</i> (Roxb. ex C.B.Clarke) K.K.N.Nair	Acanthaceae	Herb	
283	-	-	<i>Ruellia patula</i> Jacq.	Acanthaceae	Herb	
284	Chandan	Shreegandha	<i>Santalum album</i> L.	Santalaceae	Tree	AT
285	Arishtaka	-	<i>Sapindus trifoliatus</i> L.	Sapindaceae	Tree	T
286	Soma	Jolugalli	<i>Sarcostemma acidum</i> (Roxb.) Voigt	Asclepiadaceae	Climber	A
287	Koshamra	Kendaale	<i>Schleichera oleosa</i> (Lour.) Merr.	Sapindaceae	Tree	A
288	-	-	<i>Schoenoplectiella juncooides</i> (Roxb.) Lye	Cyperaceae	Herb	
289	-	Manithumbe gida	<i>Scoparia dulcis</i> L.	Scrophulariaceae	Herb	
290	-	-	<i>Scurrula atropurpurea</i> (Blume) Danser	Loranthaceae	Herb	
291	Bhallataka	Gaer kaayi	<i>Semecarpus anacardium</i> L.f.	Anacardiaceae	Tree	AUT
292	-	-	<i>Senecio tenuifolius</i> Burm.f.	Asteraceae	Herb	
293	Aavarthaki	Honnare	<i>Senna auriculata</i> (L.) Roxb.	Caesalpiniaceae	Shrub	A
294	Prapaundarika	Kaadu huruli	<i>Senna insularis</i> (Britton & Rose) H.S.Irwin & Ba	Caesalpiniaceae	Herb	
295	Kaasamarda	Doddathagase	<i>Senna occidentalis</i> L.	Caesalpiniaceae	Herb	T
296	Kaasamarda	Kaasamarda	<i>Senna sophera</i> (L.) Roxb.	Caesalpiniaceae	Herb	A
297	-	-	<i>Senna uniflora</i> (Mill.) H.S.Irwin & Barneby	Caesalpiniaceae	Herb	
298	-	Bheemana kaddi	<i>Sida acuta</i> Burm.f.	Malvaceae	Herb	A
299	Naagabala	Bekkinathale gida	<i>Sida cordata</i> (Burm.f.) Bors. Waalk.	Malvaceae	Herb	
300	Bala	Benne garuga	<i>Sida cordifolia</i> L.	Malvaceae	Herb	AT
301	Naaga bala	Kaadumenthya	<i>Sida spinosa</i> L.	Malvaceae	Herb	HU
302	Kakamachi	Kari kaachi	<i>Solanum americanum</i> Mill.	Solanaceae	Herb	AT
303	-	-	<i>Solanum luteoalbum</i> var. <i>luteoalbum</i>	Solanaceae	Shrub	
304	Brihathi	Kaadu badane	<i>Solanum rupestratum</i> Dunal	Solanaceae	Herb	
305	-	-	<i>Solanum viarum</i> Dunal	Solanaceae	Shrub	
306	-	-	<i>Solanum violaceum</i> Ortega	Solanaceae	Shrub	A
307	Kantakaari	-	<i>Solanum virginianum</i> L.	Solanaceae	Herb	A
308	-	Naayi hakkarike	<i>Sonchus oleraceus</i> (L.) L.	Asteraceae	Herb	
309	-	-	<i>Sopubia delphinifolia</i> G.Don	Scrophulariaceae	Herb	
310	Patraanga	Kemmara	<i>Soymida febrifuga</i> (Roxb.) A.Juss.	Meliaceae	Tree	AST

311	-	Madanghanti	<i>Spermacoce articularis</i> L.f.	Rubiaceae	Herb	A
312	-		<i>Spermacoce verticillata</i> L.	Rubiaceae	Herb	
313	-	Kaadu uttharaani	<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Verbenaceae	Herb	
314	Balika	Kempu daale	<i>Sterculia urens</i> Roxb.	Sterculiaceae	Tree	AS
315	Shaakhothaka	Mitli	<i>Sireblus asper</i> Lour.	Moraceae	Tree	A
316	-		<i>Striga angustifolia</i> (D.Don) Sald.	Scrophulariaceae	Herb	
317	-	Hothe	<i>Striga gesnerioides</i> (Willd.) Vatke	Scrophulariaceae	Herb	
318	Katuka	Chillada mara	<i>Strychnos potatorum</i> L.f.	Loganiaceae	Tree	AT
319	-		<i>Strylosanthes fruticosa</i> (Retz.) Als.	Fabaceae	Herb	
320	Aamlika	Hunase mara	<i>Tamarindus indica</i> L.	Caesalpiniaceae	Tree	A
321	Kura	Thaerani	<i>Tarena asiatica</i> (L.) Ktze. ex Schum.	Rubiaceae	Shrub	
322	Saaka	Thaega	<i>Tectona grandis</i> L. f.	Verbenaceae	Tree	AT
323	-	Koggili	<i>Tephrosia pumila</i> (Lamk.) Pers.	Fabaceae	Herb	
324	Sarapankha		<i>Tephrosia purpurea</i> (L.) Pers.	Fabaceae	Herb	A
325	Sarapankha	Kaadu thogari	<i>Tephrosia villosa</i> (L.) Pers.	Fabaceae	Herb	
326	Maasaparni	Adavi uddu	<i>Teramnus labialis</i> (L.f.) Spreng	Fabaceae	Climber	T
327	Asana	Karimatthi	<i>Terminalia alata</i> Heyne ex Roth	Combretaceae	Tree	A
328	Bibhitaki	Thaare mara	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae	Tree	AUT
329	Vanavataada	Kaadu baadaami	<i>Terminalia catappa</i> L.	Combretaceae	Tree	
330	Haritaki	Alalekaayi	<i>Terminalia chebula</i> Retz.	Combretaceae	Tree	AUT
331	Indrapushpa balli	Benne balli	<i>Thunbergia fragrans</i> Roxb.	Acanthaceae	Climber	
332	Guduchi	Amritha balli	<i>Tinospora cordifolia</i> (Willd.) Miers	Menispermaceae	Climber	ASUT
333	Dahana	Magiche	<i>Toddalia asiatica</i> (L.) Lamk.	Rutaceae	Climber	A
334	-		<i>Tragia hildebrandtii</i> Müll.Arg.	Euphorbiaceae	Herb	
335	Duraalabha	Churachurike gida	<i>Tragia involucreta</i> L.	Euphorbiaceae	Herb	A
336	-		<i>Tragia plukenetii</i> Radcl.-Sm.	Euphorbiaceae	Climber	
337	-		<i>Tragia praetervisa</i> Chakrab. N.P.Balkar.	Euphorbiaceae	Herb	
338	-	Naayi soppu	<i>Trianthema triquetra</i> Rottl. ex Willd.	Aizoaceae	Herb	
339	Goksura	Naeggila mullu	<i>Tribulus terrestris</i> L.	Zygophyllaceae	Herb	AHUT
340	Adhapushpi	Kathethumbe soppu	<i>Trichodesma indicum</i> (L.) Lehm	Boraginaceae	Herb	
341	Dhindhinika	Ethinanaalige gida	<i>Trichodesma zeylanicum</i> (Burm.f.) R. Br.	Boraginaceae	Herb	A
342	-	Mandakusabee gida	<i>Tricholepis radicans</i> (Roxb.) DC.	Asteraceae	Herb	
343	Jayanthi	Gabbu shaavanthi	<i>Tridax procumbens</i> (L.) L.	Asteraceae	Herb	A
344	Jingirita	Kaadubende	<i>Triumfetta rhomboidea</i> Jacq	Tiliaceae	Herb	
345	-		<i>Triumfetta pentandra</i> A. Rich.	Tiliaceae	Herb	
346	Antrapachaka	Kirumanji balli	<i>Tylophora indica</i> (Burm.f.) Merr.	Asclepiadaceae	Climber	A
347	-	Kaadu thutthi	<i>Urena lobata</i> L.	Malvaceae	Herb	
348	Aadithyavalli	Ithaala beelu	<i>Ventilago denticulata</i> Willd.	Rhamnaceae	Climber	
349	-		<i>Vernonia divergens</i> (DC.) Edgew.	Asteraceae	Herb	
350	-	Mooguthi soppu	<i>Vicoa indica</i> (L.) DC.	Asteraceae	Herb	
351	Mukushthka	Madaki	<i>Vigna aconitifolia</i> (Jacq.) Marechal	Fabaceae	Herb	
352	-	Ghattada uddu	<i>Vigna angularis</i> (Willd.) Ohwi & Ohashi	Fabaceae	Herb	
353	Gandhamadini	Gantu badanike	<i>Viscum articulatum</i> Burm.f.	Loranthaceae	Herb	
354	Nirgundi	Laklisoppu	<i>Vitex negundo</i> L.	Verbenaceae	Tree	AUT
355	-		<i>Waltheria indica</i> L.	Sterculiaceae	Herb	
356	Aswagandha	Hiremaddina gida	<i>Withania somnifera</i> (L.) Dunal	Solanaceae	Herb	AUT
357	Kutaja	Beppaale	<i>Wrightia tinctoria</i> R. Br.	Apocynaceae	Tree	A
358	-	Maralummathi	<i>Xanthium strumarium</i> L.	Asteraceae	Herb	T
359	Kuchandana	Maggari	<i>Ximenia americana</i> L.	Oleaceae	Shrub	
360	-	Bilikomme	<i>Zaleya decandra</i> (L.) Burm. f.	Aizoaceae	Herb	A
361	Ghonta	Gochi	<i>Ziziphus abyssinica</i> Hochst. ex. A.Rich.	Rhamnaceae	Tree	
362	-		<i>Ziziphus glaberrima</i> (Sedgw.) Sant.	Rhamnaceae	Tree	
363	Badara	Elachi	<i>Ziziphus mauritiana</i> Lamk.	Rhamnaceae	Tree	AT
364	Kola	Parpuli	<i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn.	Rhamnaceae	Shrub	
365	Bahukantaka	Pargimullu	<i>Ziziphus oenoplia</i> (L.) Mill.	Rhamnaceae	Climber	
366	-	Nellujollu soppu	<i>Zornia gibbosa</i> Span.	Fabaceae	Herb	

* ASHUT: A= Ayurveda, S=Siddha, H=Homeopathy, U=Unani and T= Tibetan.

4. Discussion

Enlisting of 366 plants in the forests of Chitradurga district has shown good wealth of floral biodiversity and 159 medicinal plants used in the Indian system of medicine. Indian system includes traditional medicine systems like Ayurveda, Siddha, Homeopathy, Unani and Tibetan.

Ayurveda is a traditional Indian system of medicine, which combines the profound thoughts of medicine and life science. Based on the strong foundation of philosophy, it is regarded as an Upaveda or "auxiliary knowledge" in Vedic tradition. Ayurveda aims at wholesome physical, mental spiritual and social well being of humanity around the world. It emphasizes on how to prevent the occurrence of disease and how to eliminate its root cause if it does occur. Ayurvedic treatment process includes the use of drugs of different origins viz. herbal, mineral, metallic supplementation; and also accentuates a number of medical techniques such as surgical

techniques, massages through oleation, sudation etc., detoxifying procedures like Panchakarma, and others. Ayurveda believes that every plant, root, leaf, bark found on this planet has medicinal value. A total of 144 Ayurvedic medicinal plants were recorded during the study.

Siddha medicine is a system of traditional medicine originating in Tamil Nadu in South India and generated from Dravidian culture. In the Siddha system of medicine, man is viewed as a microcosm and the universe as a macrocosm. In other words, man is a miniature universe in himself. What exists in the universe does exist in the man. Importance is given to the person and not the disease in this system. Herbal or herbo-mineral resources are used treat ailments. Diet and life style plays major role in health and in curing diseases. A total of 40 Siddha medicinal plants were enlisted ifrom the study area.

Homoeopathy is a therapeutic science, which is based on the

principle that substances that cause a certain symptom in a healthy person can, in turn, heal the same symptoms in a sick person in accord with the "law of similarities". This system uses animal, plant, mineral and synthetic substances in its preparations. Higher dilutions of the drugs are prepared (named as tinctures) which are considered to be potent in producing the desired effects. These tinctures are used as medicines and are usually dispensed added to inert pills. The system believes that the treatment must be given to the person in disease and not the disease in the person. A total of 14 Homeopathic medicinal plants were documented.

Unani is a form of traditional medicine in countries of the Middle East and South Asia. It was first introduced in India by the Arabs. In Unani medicine equilibrium plays very important role and therapy attempts to use simple physical means to cure a disease. It lays a great emphasis on treating certain ailments by administering a specific diet or by regulating the quality and quantity of food. Unani medicine derives its goodness from natural substances and physicians are pioneers in surgery and developed own instruments and techniques and also practice usage of single drug and poly pharmaceutical preparations. It is distinct in other branches of medicine, as the drugs it uses are natural in their sources and forms. A total of 30 Unani medicinal plants were identified from the study area. The Tibetan medical system is one of the world's oldest known medical systems. It is also called Sowa-Rigpa, which means the science of healing. Tibetan medicine is a centuries old traditional medicinal system that employs a complex approach to diagnosis and this medicine system is based upon Indian Buddhist literature. Tibetan medicine is a science, art and philosophy that provides a holistic approach and is designed to prevent and treat all diseases of our living. Medicines composed of natural materials and physical therapies are used to treat the illnesses. Tibetan medicine equally considers diet, nutrition, behavior and life-style as essential elements of successful treatment. Health is balance and disease is imbalance. A total of 60 Tibetan medicinal plants were noticed in the forests of Chitradurga.

Of enlisted, 366 plants 159 are having medicinal value in the different Indian systems of medicine. Of recorded 56 are used only in Ayurveda, 07 in Siddha and 07 in Tibetan system of Medicine. Similarly 53 in Ayurveda and Tibetan, 33 plants in Ayurveda and Siddha, 29 in Ayurveda and Unani, 25 in Unani and Tibetan, 13 in Ayurveda and Homoeopathy, 07 in Homoeopathy and Tibetan, 06 in Siddha and Tibetan, 06 Homoeopathy and Unani, 02 in Siddha and Unani, and 01 in Siddha and Homoeopathy. (Fig 2)

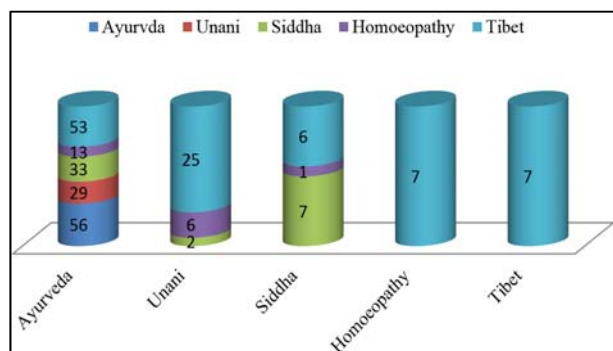


Fig 2: Plants used in Indian system of Medicine (ASHUT) of Chitradurga district

5. Conclusion

A total of 159 medicinal plants were recorded in the forest

areas of Chitradurga used in different types of Indian systems of medicine. It shows that the forest area of this region is very potential for the medicinal plant resources for sustainable use for the herbal pharmaceuticals for the management of various health disorders of the local people and surroundings. It also provides a good platform for herbal medicinal plant researchers for the identification of new bio-molecules for the management and treatment of lethal diseases of modern era. The growth of pharmaceuticals in the area provides employment to the youths to improve the economy of individuals and social status.

6. Acknowledgement

Authors are thankful to the forest officials of Chitradurga and Bangalore for support extended during ethno-medico botanical survey in the forests of Chitradurga district. Authors are thankful to the other members of survey team members like survey attendant M. Girija Vallabhan and driver K. Uday Kumar for their cooperation extended during the study. The authors are indebted to the Director General, CCRAS, New Delhi for providing the facilities and encouragement.

7. References

1. Marigowda MH, Krishnaswamy M. Plant Wealth of Lal-Bagh. Cornell University, Bangalore 1968; 1-166.
2. Ramaswamy SV, Razi BA. Flora of Bangalore District. Prasara University of Mysore 1973; 1-739.
3. Saldanha CJ, Nicolson DH. Flora of Hassan District Karnataka. Amerind Publishing Co. Pvt. Ltd. New Delhi 1976, 1-915.
4. Rao R, Razi BA. A Synoptic Flora of Mysore District: With an Appendix of Unani, Ayurvedic, and Trade Names of Drugs. Today & Tomorrow's Printers and Publishers 1981; 1-674.
5. Arora RK, Wadhwa BM, Raizada MB. The Botany of South Kanara District, Bishen Singh Mahendra Pal Singh, Dehradun, 1981, 1-64.
6. Yoganarasimhan SN, Subramanyam K, Razi BA. Flora of Chikmagalur District, Karnataka, India, International Book Distributors 1982; 1-407.
7. Saldanha CJ, Flora of Karnataka. Magnoliaceae to Fabaceae, Oxford and IBH Publishing Co, New Delhi 1984; 1:1-535.
8. Sharma BD, Singh NP, Raghavan RS, Deshapande UR. Flora of India Series – 2 Flora of Karnataka analysis. Botanical Survey of India, Calcutta 1984; 1-392.
9. Murthy KRK, Yoganarasimhan SN. Flora of Coorg (Kodagu) Karnataka, India: With Data on Medicinal Plants and Chemical Constituents. Vimsat Publishers 1990; 1-700.
10. Ramakrishna TM, Ramaswamy SN, Arekal GD. The Asclepiadaceae and Periplocaceae of Karnataka. Prasara University of Mysore 1995; 1-284.
11. Saldanha CJ. Flora of Karnataka. Podostemaceae to Apiaceae, Oxford and IBH Publishing Co, New Delhi, 1996; 2:1-304.
12. Singh NP. Flora of Eastern Karnataka. First edition, Mittal Publications, Delhi 1988; 1:1-422.
13. Singh NP. Flora of Eastern Karnataka. First edition, Mittal Publications, Delhi 1988a; 2:423-794.
14. Seetharam YN, Kotresha K, Uplaonkar SB. Flora of Gulbarga District, Prasara, Gulbarga University, Gulbarga 2000; 1-160.
15. Ramaswamy SN, Radhakrishna RM, Arekal GD. Flora of Shimoga District, Karnataka, Prasara, University of Mysore 2001; 1-753.

16. Bhat GK. Flora of Udupi. First Published. Indian Naturalist, Udupi 2003; 1-913.
17. Manjunatha BK, Krishna V, Pullaiah T. Flora of Davanagere District Karnataka, India. Regency Publications, New Delhi 2004; 1-493.
18. Gowda B. Plant wealth of Sringeri, Karnataka, Kalpatharu Research Academy, Bangalore 2004; 1-224.
19. Rao SK. Indian Institute of Science Campus: A Botanist's Delight. IISc Press, Bangalore 2008; 1-224.
20. Rao SK, Champanerkar S. Flowering Plants of Indian Institute of Science: A Field Guide. Indian Institute of Science, Bangalore, 2009; 1-950.
21. Harisha MN, Ajay GA, Kumar MD, Hosetti BB. Floristic and avifaunal diversity of Jogimatti state forest, Chitradurga, Karnataka. My Forest 2008; 44(3):225-235.
22. Hiremath VT, Vijaykumar MMJ, Taranath TC. Survey on Ethno medicinal Plants of Jogimatti Forest Chitradurga District, Karnataka, India. Environment We International Journal of Science and Technology. 2010; 5:223-233.
23. Hiremath VT, Taranath TC. Traditional Phytotherapy for Snake bites by Tribes of Chitradurga District, Karnataka, India. Ethnobotanical Leaflets, 2010; 14:120-25.
24. Kumar BN, Swamy S, Vrushabendra BM, Kamal KG, Mohan BG. Review on *Careya arborea* Roxb. International Journal of Research in Ayurveda & Pharmacy. 2010; 1(2):306-315.
25. Hiremath VT, Taranath TC. Hiremath and Taranath. Phytotherapy associated with Jaundice in Chitradurga district, Karnataka. International Journal of Medicinal and Aromatic Plants. 2011; 1(2):162-165.
26. Devagiri GM, Santosh H, Girish P, Murthy MSR, Trivedi S, Debnath B. Mapping and Characterization of Bio-rich Areas Using Satellite Remote Sensing in Southern Karnataka, India, International Journal of Environmental Sciences. 2012; 1(2):105-117.
27. Ramachandra Naik M, Vaishnavi Venugopalan, Preethi Kumaravelayutham, Krishnamurthy YL. Ethnoveterinary uses of medicinal plants among the Lambani community in Chitradurga district, Karnataka, India. Asian Pacific Journal of Tropical Biomedicine. 2012; S470-S476.
28. Meril ED. On the control of destructive insects in the herbarium. Journal of Arnold Arboretum. 1948; 29:103-110.
29. Lawrence GHM. Taxonomy of Vascular Plants. Second Indian Reprint, Oxford and IBH Publishing Co, Calcutta 1969; 1-823.
30. Jain SK, Rao RR. A Hand Book of Field and Herbarium Methods. Today and tomorrow's Printers and Publishers, New Delhi, 1977, 1-157.
31. Gamble JS. The Flora of Presidency of Madras. Second reprinted edition, Botanical Survey of India, Calcutta, 1967; 1:1-408.
32. Gamble JS. The Flora of Presidency of Madras. Second reprinted edition, Botanical Survey of India, Calcutta, 1967; 2:409-942.
33. Gamble JS. The Flora of Presidency of Madras. Second reprinted edition, Botanical Survey of India, Calcutta, 1967; 3:943-1389.
34. Bennet SSR. Name Changes in Flowering Plants of India and Adjacent Regions, Triseas Publications, 1987, 1-772.
35. Anonymous. The Ayurvedic Formulary of India. Part I, Second revised English edition, Govt. of India, Ministry of Health and Family Welfare, Dept of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH), New Delhi, 2003, 1-488.
36. Anonymous. The Ayurvedic Formulary of India. Part II, First English edition, Govt. of India, Ministry of Health and Family Welfare, Dept of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH), New Delhi, 2000; 1-425.
37. Anonymous. The Ayurvedic formulary of India. Part – III, First edition, Govt. of India, Ministry of Health and Family Welfare, Dept of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH), New Delhi, 2011; 1-710.
38. Anonymous. Formulary of Siddha medicines. Fourth edition (Revised), The Indian medical practitioner's co-operative pharmacy and stores limited, Madras, 1993, 1-546.
39. Baburaj SD. A checklist of Homoeopathic medicinal plants of India (CCRH). (Revised edition–2), reprint edition, Central council for research in Homoeopathy, New Delhi, 2003, 1-68.
40. Anonymous. National formulary of Unani medicine. Part–I, First reprint, Central council for research in Unani medicine, Ministry of Health and Family Welfare, (Dept. of AYUSH), New Delhi, 2006; 1-336.
41. Anonymous. National formulary of Unani medicine. Part–II, Vol. I, Dept. of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH), Ministry of Health and Family Welfare, Govt. of India, New Delhi, 2007; 1-197.
42. Anonymous. National formulary of Unani medicine. Part–III, First edition, National Institute of Science Communication and Information, CSIR, New Delhi, 2001; 1-169.
43. Anonymous. National formulary of Unani medicine. Part–IV, First edition, National Institute of Science Communication and Information, CSIR, New Delhi, 2006; 1-231.
44. Anonymous. National formulary of Unani medicine. Part–V, Dept. of AYUSH, Ministry of Health and Family Welfare, Govt. of India, New Delhi, 2008; 1-207.
45. Anonymous. National formulary of Unani medicine. Part–VI, Central council for research in Unani medicine, Dept. of AYUSH, Ministry of Health and Family Welfare, Govt. of India, New Delhi, 2011; 1-89.
46. Clifford T. Tibetan Buddhist Medicine and Psychiatry. First Indian Edition, Motilal Banarsidas Publishers Private Limited, New Delhi, 1994; 1-268.