



Full Length Research Paper

A Phytodiversity Study in the Gavisiddalingeshwara Sacred Grove, Chintanpalli of Yadgir District, Karnataka, India.

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Abstract

Sacred groves are one of the finest examples of traditional in situ conservation practices, which dates much prior to the modern concept of wildlife reserves. The forests are the property of the gods of the villages in which they are situated. The present status of sacred groves is a matter of deep concern as they are on a path of gradual decline and disappearance. It is surprising that the phenomena of sacred groves have not been documented from Yadgir district of Hyderabad Karnataka Region. The present study deals with floristic composition of angiosperms grown and nurtured in the sacred grove located in Chintanapalli of Yadgir district. Study revealed 209 species spreads under 169 genera belonging to 57 families among those 54 species are investigated medicinally important and 14 are Red listed one. Among the species studied 60 are trees, 34 shrubs, 89 herbs, 21 twiner/climbers 03 aquatic, 03 are parasitic in nature and 01 is liana. The interesting result is *Terminalia arjuna* enriched sacred grove.

Key Words: Sacred grove, Gavisiddalingeshwara, Phytodiversity, Red List plants

Introduction

Sacred groves are traditionally managed forest patches that functionally link, social life and forest management system of the region. Sacred groves are small or large patches of vegetation of varying sizes, conserved through man's spiritual belief and faith (Dash, 2005). However, (Gokhale *et al.*, 2001) reported Sacred groves are referred by different names in various parts of Karnataka such as *devarabana*, *devarakadu*, *huli devarakadu*, *nagabana*, *Bhutappanbana*, *Jatakappanbana*, *chowdibana*, etc. (Sambandan Ket *et al.*, 2014) states that these groves act as 'natural vegetation preserve and serve as an example of habitat preservation through community participation. In the present day in India the tradition of sacred groves is reported from most parts of the country about 13,720 sacred groves have been enumerated so far from 19 States (Malhotra *et al.*, 2001). In Karnataka it is estimated about 1531 sacred groves of which 1477 sacred groves are from Kodagu district and 54 sacred groves in Uttar Kannada. (Kotresha *et al.*, 2011). The importance of sacred groves in conservation of biodiversity has recently gained wide acceptance; hence several studies have been carried out in India to assess the biodiversity of the groves. It is surprising to note that sacred groves have not been studied and documented or reported from Hyderabad Karnataka Region where a network of numerous sacred groves occurs even today.

This paper deals with the angiosperm plants diversity in "Gavisiddalingeshwara Daivi Vana" a temple grove located near Chintanapalli of Yadgir district, Karnataka and discuss their importance in conservation of regional plant diversity and uses.

Materials and Methods

Study area

Study conducted in the grove and which is popularly known as "Daivi Vana". In a distance of 40 Kms from the head quarter located a place 'Chintanpalli' famous pilgrimage centre of lord 'Gavisiddalingeshwara' where the lord resides in a cave with natural water flowing over the temple and falling at the entrance and thus making every devotee to have a shower before having lord's blessings. The highest point altitude recorded in the grove is 560M and lowest point in the stream level 445M and mean 500M. Latitude 16.79 N Longitude 77.14 E. (Figure-1). The average Annual Rainfall recorded during 2011-13 is 638mm. Yadgir district has been blessed by the incessant flowing of two main rivers Krishna and Bhima in addition to these two, a few tributaries flow in this region. Surrounding area topographically consists of about 2000 hectares of dry deciduous scrub forest which is under the ownership of forest department. (Plate -I).

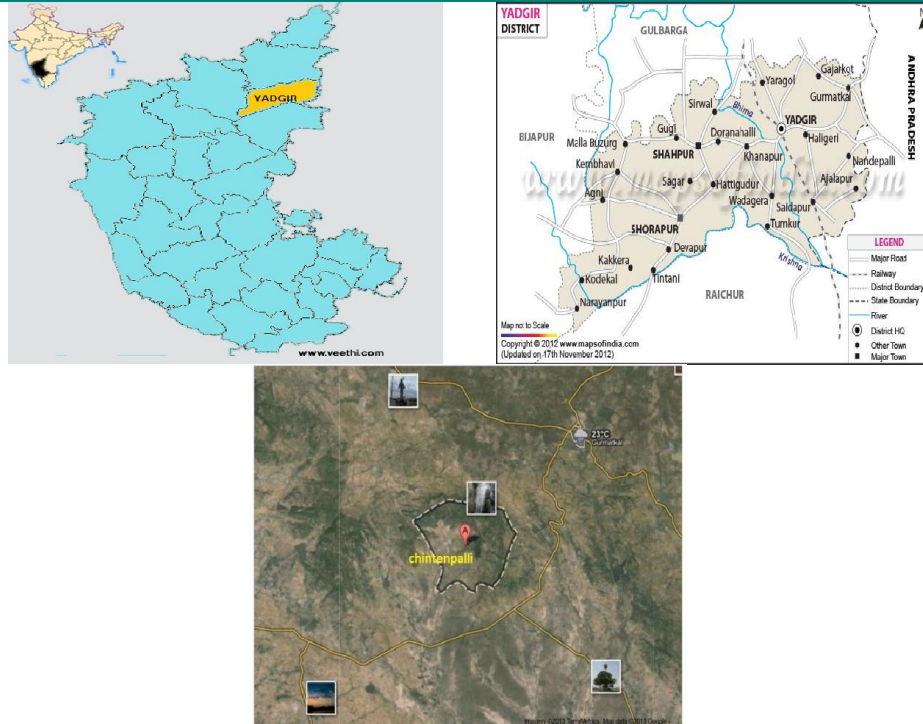


Figure 1. Location map of the study area.



Plate-1. Scenic view of the study area Gavisiddalingeshwara sacred grove

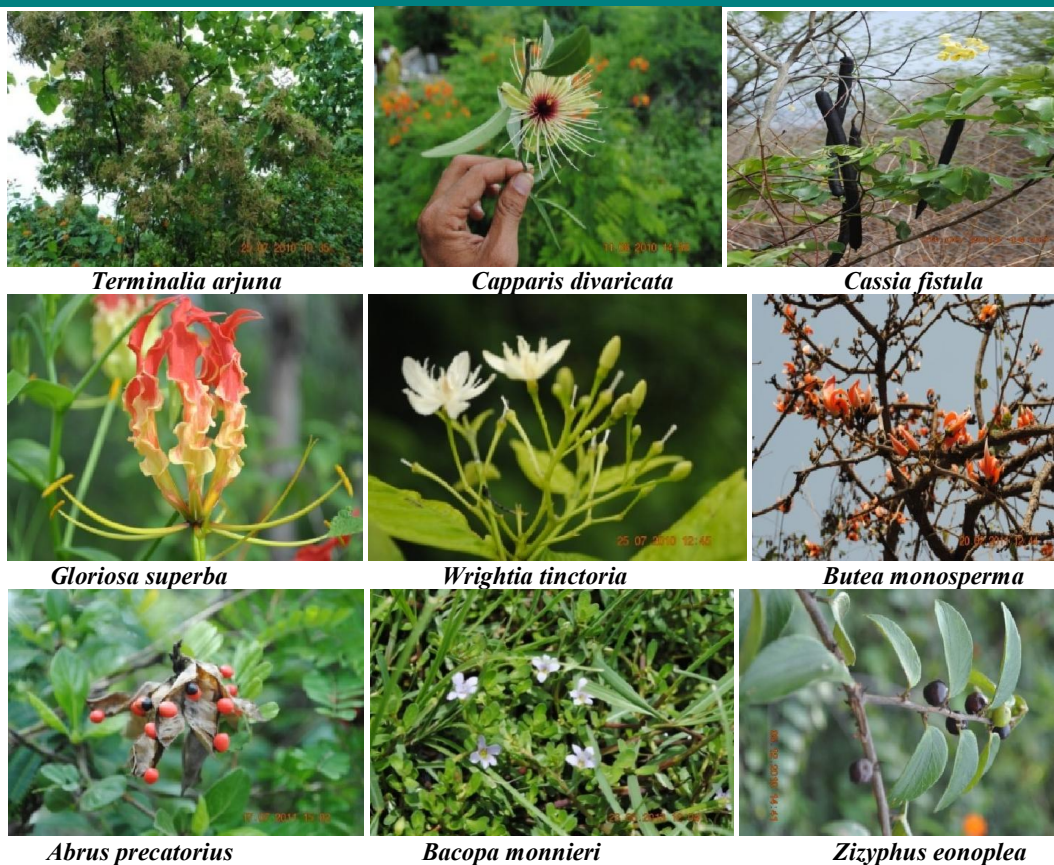


Plate-2. Photographs of some of the plants of the grove.

Field Work

Extensive field visits were carried out at monthly intervals during 2011-13 to document the floristic diversity in the grove. Specimens of flowering plants were collected and identified with the aid of different regional floras (Hooker, 1872-1897; Saldhana 1984, 1996, Singh, 1984; Seetharam 2000) & Flora of Baramathi district by Rani Bhagat, 2010) and voucher specimen are pressed and deposited in the Herbaria Gulbarga University Gulbarga. Lists of endangered, threatened and rare plants found in the sacred groves were prepared with the help of published works.

The survey tours had been planned in such a way that it was possible to cover all the seasons and months of the year. Thus it was made possible to have a comprehensive and exhaustive study of the vegetation of the entire area which resulted in the representative collection of medicinal plants at monsoon and post monsoon period. It also covered different habitats in the area like aquatic, semi aquatic or marshy, open grassland. Photographs have been taken at different stages of development of plants, landscape, forest view, canopy and other general feature for interpretation and aesthetic value.

Result and Discussion

The present study deals with floristic composition of angiosperms grown and nurtured in the sacred grove located in Chintanapalli of Yadgir district. Study revealed 209 species spread under 169 genera belonging to 57 families. 54 species are investigated as medicinally important and 14 are Red listed one. Among the species studied 60 are trees, 34 shrubs, 89 herbs, 21 twiner/climbers 03 aquatic, 03 parasitic in nature and 01 liana. The interesting result is *Terminalia arjuna* enriched the sacred grove, enumeration provides the list of plant species with scientific and local name and present of plants and family arranged alphabetically (Table-1) and (Plate-2).

Sacred groves are scattered in the district. The Gavisiddalingshwar sacred grove's deity Shiva various cultural and religious rituals like annual celebrations (jatrasmahotsava) are performed in the grove. Gadgil *et al.*, 1975 explain that majority of sacred groves are associated with female deity. A large number of studies have been carried out all over the world on various aspects of Phytodiversity, Hubbel & Foster (1983, 1992) conducted plant diversity studies in Panama Guyana. Kotresha *et al.*, 2011 reported 212 species from Ramalingeshwar Sacred grove of Siddapur, Karnataka and Alemmeren Jamir (2003) recorded 395 species from sacred groves of Jaintia Hill in North east India respectively.

Table 1. Floristic enumeration of Gavisiddalingeshwara Sacred grove (Daivivana), Chintanapalli of Yadgir

S. No	Name of the Family	Name of the Plant	Vernacular/Local Name	Habit	Uses	Red list Status
1	ACANTHACEAE	<i>Andrographis paniculata</i> Nees.	Nelabevu	Herb	Medicinal	
2		<i>Barleria prionitis</i> (L.) Roth.	Mullu jaji	Herb		
3		<i>Barleria tomentosa</i> Roth		Herb		
4		<i>Bleparis maderaspatensis</i> (L.) Roth.		Herb		
5		<i>Hygrophilla auriculata</i> (K.Schum). Heine,	Neeru goobli gida	Aquatic Herb		
6		<i>Indonesiella echioides</i> (L.) Sreem		Herb	M	
7		<i>Justicia diffusa</i> Willd.	Ativisha Nandinela bevu	Herb		
8		<i>Justicia procumbens</i> L.	Hucchu nelabivu	Herb		
9		<i>Lepidogathis cristata</i> Willd.,	Narigoodi	Herb		
10		<i>Rungia repens</i> (L.) Nees		Herb		
11		<i>Staurogyne zeylanica</i> (Nees) Kuntze		Herb		
12	AIOZACEAE	<i>Zaleya decandra</i> (L.)N.Burm.		Tree		
13	ALANGIACEAE	<i>Alangium salvifolium</i> (L.f.)Wang.	Ankaligida	Tree		
14	AMARANTHACEAE	<i>Achyranthes aspera</i> L.	Uttarani	Herb	M	
15		<i>Aerva lanata</i> (L.) Juss. Ex Schult.	Bilihindi soppu	Herb		
16		<i>Allmania nodiflora</i> (L) R.Br, ex Wt.,		Herb		
17		<i>Alternanthera sessilis</i> (L) R.Br. ex A.P.DC.	Honagonne soppu	Herb		
18		<i>Amaranthus spinosus</i>	Mulludantu	Herb		
19		<i>Pupalia lappaceae</i> (L.) Juss.	Haridhachaga	Herb		
20	AMARYLLIDACEAE	<i>Agave amaericana</i> L.	Rakspatti	Shrub		
21	ANACARDIACEAE	<i>Mangifera indica</i> L.,	Mavina mara	Tree		
22		<i>Semecarpus ancardium</i> L.f.	Karigeru	Tree		
23	ANNONACEAE	<i>Annona squamosa</i> L.	seethapala	Tree	M	
24		<i>Annona reticulate</i> L.	Ramaphal	Tree		
25	APOCYNACEAE	<i>Wrightia tinctoria</i> R. Br.	Kodumuru	Tree	M	
26	ARISTOLOCHIACEAE	<i>Aristolochia indica</i> L.	Eshwari balli	Twiner		Vulnerable
27	ASCLEPIADACEAE	<i>Calatropis gigantea</i> (L.) R.Br.	Yekkada gida	Shrub	M	
28		<i>Calatropis procera</i> R. Br.	Bili yekkada gida	Shrub	M	
29		<i>Caraluma stalagmifera</i> Fischer.	Mangana kodu	Herb	M	
30		<i>Cryptolepis buehananii</i> Roem. & Schult.	Haluballi	Climber	M	
31		<i>Cryptostegia grandiflora</i> R. Br.,	Rubber hombu	Climber	M	
32		<i>Gymnema sylvestre</i> (Retz.) R.Br.	Madhunashini	Climber	M	
33		<i>Hemidesmus indicus</i> (L.) Schult.	Sogadeberu, anantamula	Climber	M	
34		<i>Tylophora indica</i> (N.Burm) Merr.	Adumuttada balli	Climber	M	
35	ASTERACEAE	<i>Ageratum conyzoides</i> L.	Muguthigida	Shrub		
36		<i>Artemisia nilagirica</i> (C.B.Clarke) Pamp.	Manchpatri	Herb		

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37		<i>Blumea membranacea</i> DC.		Herb			
38		<i>Echinops echinatus</i> Roxb.	Brahmadande	Herb			
39		<i>Eclipta prostrata</i> (L.) L.	Bhrungaraja	Herb			
40		<i>Emilia sonchifolia</i> (L.) DC.,ex Wt.	Ilikivi	Herb			
41		<i>Lagascea mollis</i> Cav.		Herb			
42		<i>Pulicaria angustifolia</i> DC.		Herb			
43		<i>Pulicaria wightiana</i> (DC.) CB Clarke		Herb			
44		<i>Sonchus asper</i> Hill.		Herb			
45		<i>Sphaeranthus indicus</i> L.	Moodugattina gida	Herb			
46		<i>Tridax procubens</i> L.	Tike soppu	Herb		M	
47		<i>Vernonia cinerea</i> (L.)Less	Karehindi	Herb			
48		<i>Xanthium strumarium</i> L.	Maralu ummatli	Herb			
49	BIGNONIACEAE	<i>Dolichandrone falcate</i> Seem	Oodi mara	Tree			
50	BORAGINACEAE	<i>Ehretia laevis</i> Roxb.		Shrub			
51		<i>Trichodesma indicum</i> (L.)Lehman		Herb		M	
52	CACATACEAE	<i>Opuntia dillenii</i> (Ker- Galwer)Haw.	Papas kalli	Shrub		M	
53	CAPPARACEAE	<i>Capparis divaricata</i> Lam		Tree			
54		<i>Capparis grandis</i> L.f.	Thotlu mullingida	Tree			
55		<i>Capparis zeylanica</i> L.	Govinda phala	Tree			
56		<i>Meerua oblongifolia</i> (Forsk.)A.Rich.		Shrub			
57	CELASTRACEAE	<i>Maytenus senegalensis</i> (Lam.)Excell.	Tondarasi	Shrub			
58	COMBRETACEAE	<i>Anogeissus latifolia</i> (DC) Wall.	Dindigada mara	Tree			
59		<i>Combretum albidum</i> G.Don Syn. <i>Combretum</i> <i>ovalifolium</i> Roxb.	Edatiga	Climber		M	Endangered
60		<i>Terminalia arjuna</i> (Roxb. Ex DC.) Wt. &Am	Hole matti	Tree		M	Low Risk
61		<i>Terminalia chebula</i> Retz.	Alalekayi mara	Tree		M	Endangered
62	COMMELIANACEAE	<i>Amischophacelus</i> <i>axillaris</i> (L.) R.Rao&Kammathy	Jigale	Herb			
63		<i>Commelina benghalensis</i> L.	Gubbacchi bale	Herb			
64		<i>Commelina forskalaei</i> Vahl.		Herb			
65		<i>Cyanotis fasciculata</i> (Roth) J & J Schult.	Chigali kara	Herb			
66	CONVOLVULACEAE	<i>Cuscuta reflexa</i> Roxb.	Akashballi	Parasite			
67		<i>Evolvulus alsinoides</i> (L.) L.	Vishnukanthi	Herb			
68		<i>Merremia gangetica</i> (L.) Cufod	Ilikivi	Creeper			Rare
69	CUCURBITACEAE	<i>Diplocyclos palmatus</i> (L.) Jeffrey	Bekkina toradu	Climber			
70		<i>Mukia maderaspatana</i> (L.)Roem	Gubbi savatikayi	Climber			
71	CYPERACEAE	<i>Cyperus compressus</i> L.	Vusumani hullu	Herb			
72		<i>Fimbristylis dichotoma</i> (L.) Vahl.	Neeru sabbasige	Herb			

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73	EBENACEAE	<i>Diospyros chloroxylon</i> Roxb.	Ninai, Nensi	Shrub		Endangered
74		<i>Diospyros melanoxylon</i> Roxb.	Beedi yele, Tumari	Shrub		Endangered
75	ERIOCAULACEAE	<i>Eriocaulon quiquangulare</i> L.		Herb		
76	EUPHORBIACEAE	<i>Acalypha indica</i> L.	Kuppe gida	Herb		
77		<i>Breynia vitis-idaea</i> (N.Burm) Fischer		Shrub		
78		<i>Euphorbia heyneana</i> Spreng	Sannalegida	Herb		
79		<i>Euphorbia tirucalli</i> L.	Kol Kalli gida	Tree		
80		<i>Jatropha curcas</i> L.	Adi Oudalu	Shrub		
81		<i>Kirganelia reticulata</i> (Poir.) Baill	Huligida	Shrub	M	
82		<i>Phyllanthus emblica</i> L.	Bettada nelli	Tree	M	Endangered in Wild
83		<i>Phyllanthus fraternus</i> L.	Nela nelli	Herb	M	
84		<i>Phyllanthus lawii</i> Graham	Mullu nelli	Shrub		
85		<i>Phyllanthus maderaspatensis</i> L.	Madras nelli	Shrub		
86		<i>Securinea leucopyrus</i> (Willd.) Muell.		Shrub		
87	FLACOURTIACEAE	<i>Flacourtia indica</i> (Burm. f.) Merr syn. <i>Flacourtia ramontchi</i>		Tree		
88	GENTIANACEAE	<i>Canscora diffusa</i> Vahl R. Br.		Herb		
89		<i>Enicostemma hyssopifolium</i> (Willd)	Bilanjaka	Herb	M	
90		<i>Exacum pendunculatum</i>		Herb		
91	LAMIACEAE	<i>Hyptis suaveolens</i> (L.) Poit.	Nayi tulasi	Herb		
92		<i>Leonotis nepetifolia</i> (L.) R.Br.	Kadu tumbe gida	Herb		
93		<i>Leucas plukenetii</i> (Roth) Spreng Syn. <i>Leucas aspera</i>	Tumbe	Herb	M	
94	LAURACEAE	<i>Cassytha filiformis</i> L.	Beluballi	Parasite/ twiner		
95	LEGUMINOSAE Sub Family: Caesalpinaceae	<i>Cassia auriculata</i> L.	Honnambare gida	Herb		
96		<i>Cassia fistula</i> L.	Kakke gida	Tree		
97		<i>Cassia hirsuta</i> L.		Herb		
98		<i>Cassia sericea</i> Sw.		Shrub		
99		<i>Cassia tora</i> L.	Chogache	Shrub		
100		<i>Caesalpinia pulcherima</i> (L) Sw		Shrub		
101		<i>Hardwickia binata</i> Roxb	Kamra	Tree		
102		<i>Pterolobium hexapetalum</i> (Roth) S & W		Climber		
103		<i>Tamarindus indica</i> L.	Hunase	Tree		
104	LEGUMINOSAE Sub Family: Mimosae	<i>Acacia chundra</i> (Rottler) Willd	Terada kanti	Tree	M	
105		<i>Acacia ferruginea</i> DC.	Banni mara	Tree	M	
106		<i>Acacia hohenkeri</i> Craib		Tree	M	
107		<i>Acacia horrida</i> (L.) Willd	Dodda mullina jaali	Tree		
108		<i>Acacia leucophloea</i> (Roxb.) Willd	Bili jaali	Tree		
109		<i>Acacia nilotica</i> (L.) Willd	Kari jaali	Tree	M	
110		<i>Albizia amara</i> (Roxb.)		Tree		

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		Boivin					
111		<i>Albizia lebeck</i> (L.) Benth.	Galimara	Tree			
112		<i>Dichrostachys cinerea</i> (L.) Wt. & Arn	Vadavarada gida	Tree			
113		<i>Mimosa hamata</i> Willd	Sagari mullu gida	Tree	M		
114		<i>Prosopis juliflora</i> (S.) DC.	Bellary jaali	Tree			
115	LEGUMINOSAE Sub Family: Papilionaceae	<i>Abrus precatorius</i> L.	Gulaganji	Climber	M		Vulnerable
116		<i>Alysicarpus rugosus</i> (Willd) DC.	Kolalabu	Herb			
117		<i>Alysicarpus tetragonolobus</i> Edge.		Herb	M		
118		<i>Atylosia scarabaeoides</i> (L.) Benth	Adavi togari	Climber			
119		<i>Butea monosperma</i> (Lam) Taub	Muttugada gida	Tree	M		
120		<i>Crotalaria filipes</i> Benth.		Herb			
121		<i>Crotalaria laevigata</i> Lam.	Dodda bangu kaddi	Herb			
122		<i>Crotalaria medicaginea</i> Lam		Herb			
123		<i>Dalbergia latifolia</i> Roxb.	Beete	Tree			
124		<i>Dalbergia paniculata</i> Roxb.	Beelugada mara	Tree			
125		<i>Dalbergia sissoo</i> Roxb.	Sissu	Tree			
126		<i>Derris indica</i> (Lam.) Bennet	Honge mara	Tree			
127		<i>Derris scandens</i> Benth		Liana			
128		<i>Desmodium gangeticum</i>	Bennacchuga	Shrub			
129		<i>Geissaspis cristata</i> Wt. & Arn		Herb			
130		<i>Goniogyna hirta</i> (Willd.) Ali.	Godadhahi	Herb			
131		<i>Indigofera cordifolia</i> Heyne ex Roth		Herb			
132		<i>Indigofera glandulosa</i> Roxb. Ex Willd	Adavi menthe	Herb			
133		<i>Indigofera linifolia</i> (L.f) Retz.		Herb			
134		<i>Indigofera linnaei</i> Ali		Herb			
135		<i>Indigofera tinctoria</i> L	Neeli gida	Herb			Critically endangered
136		<i>Psoralea corylifolia</i> L. Syn. <i>Cullen corilifolia</i> L	Bavanchi gida	Herb	M		
137		<i>Rhynchosia minima</i> (L.) DC		Twiner			
138		<i>Taverniera cuneifolia</i> (Roth.) Arn.		Herb			Vulnerable
139		<i>Tephrosia purpurea</i> (L.) Pers	Koggi gida, shrapunka	Herb			
140		<i>Tephrosia villosa</i> (L.) Pers.		Herb			
141	LILIACEAE	<i>Asparagus racemosus</i> Willd	Shatavari, halavumakkala balli	Climber	M		
142		<i>Gloriosa superba</i> L.	Agnishikhe	Climber	M		Endangered
143		<i>Scilla hyacinthine</i> (Roth) Mc bride	Adi ulla gaddi	Herb	M		
144	LOGANIACEAE	<i>Strychnos potatorum</i> L.f.	Chilli beejada gida	Tree	M		
145	LYTHERACEAE	<i>Ammannia baccifera</i> L		Herb			
146		<i>Woodfordia fruticosa</i> (L.) Kurz		Shrub			

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147	MALVACEAE	<i>Abutilon indicum</i> (L.) Sweet	Mudre gida	Shrub	M
148		<i>Pavonia zeylanica</i> (L.) CAV		Herb	
149		<i>Sida acuta</i> N. Burm	Bhimana kaddi	Herb	
150		<i>Sida cordifolia</i> L.	Bala	Herb	Endangered
151		<i>Sida mysorensis</i> Wight & Arn		Herb	
152	MELIACEAE	<i>Azadirachta indica</i> Juss.	Bevina mara	Tree	M
153		<i>Soymida febrifuga</i> (Roxb.) A Juss.	Some mara	Tree	M
154	MENISPERMACEAE	<i>Cocculus hirsutus</i> (L.) Diels	Dagadi balli	Climber	
155		<i>Tinospora cordifolia</i> (Wild.) J Hook & Thoms	Amruta Balli	Climber	M
156	MORACEAE	<i>Ficus benghalensis</i> L.	Alada mara	Tree	M
157		<i>Ficus religiosa</i> L.	Arali mara	Tree	M
158		<i>Ficus racemosa</i> L.	Atti mara	Tree	M
159	MYRTACEAE	<i>Eucalyptus globulus</i> Labill	Neelgiri mara	Tree	
160		<i>Psidium guajava</i> L.	Japala kayi, perala gida	Tree	
161		<i>Syzigium cumini</i> (L.) Skeels	Nerale, Neelada hannu	Tree	M
162	NYCTAGINACEAE	<i>Boerhaavia diffusa</i> L.	Punarnava	Herb	M
163	OLEACEAE	<i>Ximenia americana</i> L.	Sea lemon	Tree	
164		<i>Jasminum roxburghianum</i> Cl. In J. Hoke	Kadumallige	Climber	
165	PAPAVERACEAE	<i>Argemone Mexicana</i> L.	Daturi gida	Shrub	
166	POACEAE (Graminae)	<i>Aristida cyanantha</i> Nees. Ex steud		Herb	
167		<i>Bothriochloa bladhii</i> (Retz.) S.T. Blake		Herb	
168		<i>Chloris barbata</i> Sw.	Manchada kalu hullu	Herb	
169		<i>Cynodon dactylon</i> (L.) Pers	Karrike	Herb	
170		<i>Dendrocalamus strictus</i> (Roxb.) Nees	Male bamboo/ Calcutta bidiru	Shrub	
171		<i>Chrysopogon asper</i> (Heyne ex Hook.f.) Blatt		Herb	
172		<i>Cynodon dactylon</i> (L.) Pers	Karrike	Herb	
173		<i>Dichanthium annulatum</i> (Forsk.) Stapf	Marvel hullu	Herb	
174		<i>Heteropogon contortus</i> (L.) P. Beauv	Oobu hullu	Herb	
175		<i>Setaria intermedia</i> Roem & Schult		Herb	
176	RHAMNACEAE	<i>Ventilago denticulate</i> Wild		Climber	
177		<i>Zizyphus mauritiana</i> Lam	Bare hannina mara	Tree	
178		<i>Zizyphus nummlaria</i> (N.Burm) Wt. & Arn		Tree	
179		<i>Zizyphus oenopila</i> (L.) Mill.	Bare hannu	Tree	
180	RUBIACEAE	<i>Canthium parviflorum</i> Lam	Khare mullina gida	Shrub	
181		<i>Catunaregam spinosa</i> (Thumb.) Truv <i>Randia dumetorum</i> (Retz.) Poir Syn		Tree	
182		<i>Gardenia turgida</i>		Tree	M

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		(Roxb.) Tirveng					
183		<i>Ixora arborea</i> Roxb. Ex. J.E. Sm		Tree			
184		<i>Mitragyna speciosa</i> Korth		Tree			
185		<i>Pavetta indica</i> L. Syn. <i>Ixora pavetta</i>	Pavati	Shrub			
186	RUTACEAE	<i>Aegle marmelos</i> (L.) Corr.	Bilva patre	Tree		M	
187		<i>Chloroxylon swietenia</i> DC.	Masivala	Tree			
188	SAPINDACEAE	<i>Cardiospermum halicabum</i> L.		Climber			
189		<i>Dodonaea viscosa</i> N. Jacq.	Bandarika	Shrub			
190		<i>Sapindus laurifolia</i> Vahl.	Antuvala	Tree			
191	SCROPHULARIACEAE	<i>Bacopa monnieri</i> (L.) Wett.	Neeru brahmi	Aquatic herb		M	Endangered
192	SIMARUBACEAE	<i>Balanites aegyptiaca</i> (Linn.) Stapf	Ingula	Tree		M	Extinct in Wild
193	SOLANCEAE	<i>Solanum surattense</i> Burm	Kantakari/kadu badane	Shrub		M	
194		<i>Withania somnifera</i>	Ashwagandha	Shrub		M	
195	STERCULIACEAE	<i>Waltheria indica</i> L.	Ottatti gida	Herb			
196		<i>Sterculia urens</i> Roxb.	Bhutale	Tree			
197	TILIACEAE	<i>Corchorus capularis</i> L.	Senabu	Herb			
198		<i>Grewia flavescens</i> Juss.	Kireegara kele	Shrub			
199		<i>Triumfetta rhomboideae</i> N. Jacq.	watawati	Shrub			
200	TYPHACEAE	<i>Typha angustifolia</i> L.	Aapu	Aquatic Shrub			
201	ULMACEAE	<i>Holoptelea integrifolia</i> (Roxb.) Planch	Tapsi mara	Tree			Endangered
202	VERBINACEAE	<i>Gmelina arborea</i> Roxb.	Gambhari	Tree			
203		<i>Lantana camara</i> L.	Hunni gida	Shrub			
204		<i>Lantana indica</i> Roxb	hunnigida	Shrub			
205		<i>Stachytarpheta indica</i> (L.) Vahl.	Edurutrani	Herb			
206		<i>Tectona grandis</i> L.f.	Tega, sagavani	Tree			
207		<i>Vitex negundo</i> L.	Lakki gida	Shrub		M	
208	VITACEAE	<i>Cayratia auriculata</i> (Roxb.) Gamble	Pundi balli	Climber			
209	ZYGOPHYLLACEAE	<i>Tribulus terrestris</i> L.	Neggi mullu	Herb		M	

M= Medicinal

Conclusion

Sacred groves are important for both conservation and livelihood development and are in degraded or modified landscape (Rajasri *et al.*, 2011). Being a unique unit in the rural landscape, the sacred grove performs several ecological functions, which can directly or indirectly help in the maintenance of ecosystem health of all interacting landscape units. So it is suggested that degraded grove should be immediately regenerated and need to conduct awareness programme among the rural people regarding importance and utility of sacred grove.

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