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Anoop P. Balan & S.V. Predeep

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Legumes of Kerala, India: a checklist

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Abstract: A checklist of the legumes of Kerala State is presented. This exhaustive checklist is an outcome of extensive field surveys, collection, identification and documentation of family Leguminosae carried out across Kerala State during the period 2006–2019. A total of 448 taxa were recorded under five subfamilies and 115 genera. The majority of the legumes are herbs and shrubs, the rest being trees and woody climbers. About 81 taxa are endemic to India, especially confined to the Western Ghats biodiversity hotspot, out of which 17 are endemic to Kerala. The state is home to two Critically Endangered and six Endangered legumes, facing severe threat of extinction. *Crotalaria* is the dominant legume genus in the state with 62 taxa followed by *Desmodium* and *Indigofera*. About 57 genera are represented by single species each. Legumes are treated according to the latest phylogenetic classification of the Legume Phylogeny Working Group (LPWG). Updated nomenclature, habit, native countries, voucher specimens, and images of endemic and lesser known legumes found in the state are provided. *Crotalaria multiflora* var. *kurisumalayana* (Sibichen & Nampy) Krishnaraj & N. Mohanan is reduced as a synonym to *C. multiflora* (Arn.) Benth.

Keywords: Checklist, *Crotalaria multiflora*, endemic, Kerala, Leguminosae, LPWG, Western Ghats.

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Author contribution: SVP designed and conceptualized the study. APB and SVP conducted field surveys, collection, identification and documentation of legumes from all districts of Kerala state. APB prepared the first draft of the manuscript and SVP contributed in further editions.

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INTRODUCTION

Leguminosae with 770 genera and over 19,500 species (Lewis et al. 2013), are the third largest family of flowering plants after Orchidaceae and Asteraceae. Legumes are a significant component of nearly all terrestrial biomes, distributed throughout the world in almost all habitats and are second only to the Poaceae in their importance to human beings. The family is morphologically, physiologically, and ecologically exceptionally diverse, representing one of the most spectacular examples of evolutionary diversification in plants (LPWG 2017). Legumes are grown agriculturally, primarily for their seeds called pulses, contributing 33% of the dietary protein nitrogen needs of humans (Vance et al. 2000). Many legumes are able to do nitrogen fixation, through symbiotic association with *Rhizobium* bacteria within root nodules and thereby play an important ecological role in the terrestrial nitrogen cycle. Considering the importance of legumes, the 68th session of the United Nations General Assembly declared the year 2016 as the International Year of Pulses for their popularisation internationally.

Leguminosae in India are represented by 1,297 taxa under 179 genera, of which about 23% are strictly confined to India (Sanjappa 1992). Kerala, one of the species-rich states in the country, is exceptional because of its richness in biodiversity and endemism. According to Nayar et al. (2006), Kerala represents about 4,694 species of flowering plants under 1,418 genera and 188 families. The state constitutes only 1.18% of the geographical area of India but it accommodates about 27.57% of the flowering plants occurring in the country (Nayar et al. 2008). Sasidharan (2004) and Nayar et al. (2006) published checklists of flowering plants of Kerala, primarily based on literature. According to Sasidharan (2004), there are 381 legume species in Kerala under 93 genera out of which 82 taxa are endemic to India. Nayar et al. (2006) enumerated 389 species of legumes in Kerala under 96 genera of which 85 taxa are restricted to India. The latest treatment of Leguminosae in Kerala is that of Murthy & Nair (2016), in which they enumerated 382 species of legumes under three distinct families, viz., Caesalpiniaceae, Fabaceae, and Mimosaceae with 17, 60, & 18 genera and with 56, 281, & 45 species, respectively.

Though Leguminosae are one of the most dominant families in the state and also highly important in the economic point of view, an exclusive legume flora of the state is still wanting. To fill this lacuna, the authors have conducted extensive field surveys, collection,

identification and documentation of all the legumes of the state during the last 14 years to produce a comprehensive account on the legume flora of Kerala. Regarding this, recently three new leguminous taxa and seven new records have been reported from Kerala (Predeep et al. 2008, 2009; Predeep & Balan 2010; Balan & Predeep 2016; Balan et al. 2014, 2017). The study was initially funded by the Kerala State Council for Science, Technology and Environment, Dept. of Science & Technology, Govt. of Kerala. The present checklist is the first step before the release of a legume flora of Kerala and the list is prepared based on the authors' own collections, and specimens deposited in various Indian herbaria and relevant literature.

Systematic Treatment

Leguminosae (nom. alt. Fabaceae) received its scientific name from earlier taxonomists due to its characteristic fruit (legume). Since this name was long in usage even before the code was formulated, this name was conserved by the International Code of Nomenclature (ICN). Another name Fabaceae based on the type genus *Faba* Mill. was proposed as an alternate name according to the provisions of ICN and both names are acceptable following Articles 18.5 and 18.6 of the Shenzhen Code (Turland et al. 2018). The name Leguminosae or Fabaceae encompasses all the known leguminous plants under it. Monocarpellary superior ovary with marginal placentation and leguminous fruit are the key characters of Leguminosae.

Earlier (and worth mentioning) treatment of the family Leguminosae are that of de Candolle (1825), who subdivided the family into four suborders (= subfamilies), namely, Papilionaceae, Swartzieae (now included in Papilioideae), Mimosae, and Caesalpineae. This system was elaborated by Bentham (1865), who recognised three major groups within Leguminosae and whose classification formed the basis for all subsequent classifications of the family for the next 150 years. Taubert (1894), Engler (1964), Thorne (1976, 2000), Polhill & Raven (1981), and many others also treated Leguminosae as one family with three subfamilies. Some other researchers treated Mimosaceae, Caesalpiniaceae, and Papilionaceae as separate families (Takhtajan 1959, 1966, 1973, 1980; Hutchinson 1964, 1969, 1973; Cronquist 1968; Dahlgren 1983; Mabberley 1997). Systematic considerations based on molecular evidences also recognize Leguminosae as a monophyletic family, with three subfamilies (Doyle et al. 2000; Lewis & Schrire 2003; Wojciechowski 2003; Lewis et al. 2005; Shipunov 2009; APG IV 2016; Judd et



al. 2016). Recent molecular-based phylogenetic studies (Bruneau et al. 2008; Bello et al. 2009, 2012; Sinou et al. 2009; Cardoso et al. 2012, 2013; Gagnon et al. 2013, 2016; Koenen et al. 2013; LPWG 2013a,b, 2017; Dugas et al. 2015), however, made sweeping changes in the systematics of Leguminosae. The Legume Phylogeny Working Group-LPWG (2017) proposed a new subfamilial classification of Leguminosae, which is perhaps the most comprehensively sampled phylogenetic analysis of legumes to date. All adequately sampled phylogenetic analyses of the family indicate that the monophyletic Mimosoideae and Papilioideae are nested within a paraphyletic assemblage of caesalpinioid lineages. LPWG (2017) recognized six subfamilies in Leguminosae: a recircumscribed Caesalpinoideae DC. (148 genera & ca. 4400 species), Cercidoideae LPWG (12 genera & ca. 335 species), Detarioideae Burmeist. (84 genera & ca. 760 species), Dialioideae LPWG (17 genera & ca. 85 species), Duparquetioideae LPWG (one genus & one species), and Papilioideae DC. (503 genera & ca. 14,000 species). The traditionally recognised subfamily Mimosoideae is a distinct clade nested within the recircumscribed Caesalpinoideae. All the subfamilies, except the African subfamily Duparquetioideae, are well represented in Kerala.

MATERIALS AND METHODS

This checklist is the result of extensive field studies and repeated seasonal collections of plant specimens from Kerala during the period 2006–2019. The plant samples belonging to Leguminosae were collected from all areas of Kerala including coastal, midland, and highlands, all types of forest and non-forest areas in all seasons of the year. Herbarium sheets were prepared following the method suggested by Bridson & Forman (1998) and are housed in the herbarium in the Malabar Botanical Garden & Institute for Plant Sciences, Kozhikode, Kerala (MBGH). Identification was done with the help of pertinent literature including national and local floras (Hooker 1876, 1878; Bourdillon 1908; Rao 1914; Gamble 1918; Manilal & Sivarajan 1982; Manilal 1988; Ramachandran & Nair 1988; Vajravelu 1990; Mohanan & Henry 1994; Sasidharan & Sivarajan 1996; Sivarajan & Mathew 1997; Mohanan & Sivadasan 2002; Kumar et al. 2005; Sunil & Sivadasan 2009; Sasidharan 2011) and revisionary studies (Sanjappa 1986, 1995; Thothathri 1982, 1987; Babu et al. 1987; Nair 1989; Chakrabarty & Gangopadhyay 1996a,b; Singh 2001; Bandyopadhyay et al. 2006; Ansari 2008) and consultation of authentic

specimens housed at CAL, CALI, KFRI, MH, TBGT & University College Herbarium, Thiruvananthapuram. The species list is based primarily on author's collections and specimens deposited in various Indian herbaria listed in Tables 1, 2, 3, with the exception of 39 reports from the literature. The checklist is arranged according to the latest phylogenetic system of classification of legumes proposed by LPWG (2017). Each species is arranged alphabetically under respective subfamilies. Habit, native countries, selected voucher specimens and literature references are provided for each species. Plant names are updated following International Plant Names Index (IPNI—www.ipni.org), The Plant List (www.theplantlist.org) and Tropicos (www.tropicos.org). The native range of each species is given on the basis of the International Legume Database and Information Service (ILDIS—www.ildis.org) and Plants of the World Online (www.plantsoftheworldonline.org).

RESULTS

Leguminosae (Fabaceae sensu lato) in Kerala are represented by 448 taxa including 423 species, four subspecies and 21 varieties under 128 genera in five subfamilies (Tables 1, 2, 3; Images 1–64). Out of 448 taxa, 87 are introduced plants, either naturalized or under cultivation for various purposes. Among the 361 indigenous legumes, Papilioideae dominate with 269 species, one subspecies and 16 varieties under 64 genera. Caesalpinoideae is represented by 53 taxa in 22 genera followed by Detarioideae (13/5), Cercidoideae (8/3), and Dialioideae (1/1). *Crotalaria* is the dominant genus with 59 taxa, next comes *Indigofera* (26 taxa), *Dalbergia* (18 taxa), *Tephrosia* (13), and *Vigna* (13). About 47 genera are represented by a single species only. Top 10 dominant genera are given in Fig. 1.

Life form analysis (Fig. 2) revealed that, out of the 361 indigenous legumes identified from the state, the majority are herbs (124) and shrubs (95) followed by climbers (78) and trees (64).

The district-wise analysis (Fig. 3) shows that Idukki is the legume-rich district with 267 taxa followed by Palakkad (236), Kollam (178), Wayanad (174), and Thiruvananthapuram (169). The lowest number of legumes was found in Eranakulam District (69 taxa).

Endemic and threatened legumes

Among the 361 indigenous legumes found in Kerala, 81 are endemic to India and 33 are confined to the Western Ghats-Sri Lanka biodiversity hotspot. Out of

81 Indian endemic species legumes, 32 are restricted to the Western Ghats of Kerala, Karnataka, and Tamil Nadu states. About 17 taxa, namely *Crotalaria assamica* var. *keralensis*, *Dalbergia beddomei*, *D. travancorica*, *Dialium travancoricum*, *Humboldtia bourdillonii*, *H. brunonis* var. *raktapushpa*, *H. sanjappae*, *H. unijuga* var. *trijuga*, *Kunstleria keralensis*, *Millettia pulchra* var. *munnarensis*, *Phanera murthyi*, *Sanjappa cynometroides*, *Smithia venkobarrowii* var. *venkobarrowii*, *S. venkobarrowii* var. *glabra*, *Tephrosia travancorica*, *T. wynnaadensis*, and *Vigna sathishiana* are endemic to Kerala. The distribution range of 81 Indian endemic legumes found in Kerala is analysed and represented in Fig. 4. Among the threatened legumes found in Kerala, *Dialium travancoricum* and *H. unijuga* var. *trijuga* are Critically Endangered, *Cynometra travancorica*, *Humboldtia bourdillonii*, *H. unijuga* var. *unijuga*, *H. vahliana*, *Kingiodendron pinnatum*, and *Sophora wightii* are Endangered and *Saraca asoca* is Vulnerable (IUCN 2020). *Cynometra beddomei*, which is treated as Extinct in the Red List, has been re-collected recently (Sasidharan 1998), and hence it can be categorised as Critically Endangered. During our field studies *Dialium travancoricum* is found to be the most threatened tree species in Kerala and is on the brink of extinction due to poor regeneration. This species is survived with a few numbers of very old trees in Ponmudi forest ranges of Thiruvananthapuram District. Among Endangered tree legumes, *Kingiodendron pinnatum* is facing severe threats due to over-exploitation and habitat destruction. The oleo-gum-resin of this plant species is used in gonorrhoea, catarrhal conditions of genito-urinary and respiratory tract (Kumar et al. 2011), and also in the paint industry. The species has been severely exploited for its wood oil in the past and the stem bark is collected as a substitute for *Saraca asoca*. *Dalbergia travancorica* is another highly threatened legume restricted to a few lowland urban sacred groves in Thiruvananthapuram (Jagadeesan et al. 2015).

Economically important legumes

Arachis hypogea (Groundnut), *Cajanus cajan* (Red Gram), *Canavalia gladiata* (Sword Bean), *Cicer arietinum* (Bengal Gram), *Cyamopsis tetragonoloba* (Cluster Bean), *Lablab purpureus* (Lablab Bean), *Phaseolus coccineus* (Scarlet Runner), *P. lunatus* (Lima Bean), *P. vulgaris* (French Bean), *Psophocarpus tetragonolobus* (Winged Bean), *Sesbania sesban* (Swamp Pea), *Vigna mungo* (Black Gram), *Vigna radiata* (Green Gram), *V. unguiculata* ssp. *cylindrica* (Catjang), and *V. unguiculata* ssp. *unguiculata* (Cowpea) are commonly cultivated in the

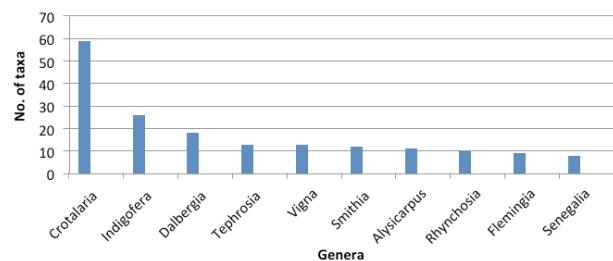


Figure 1. Analysis of dominant genera of Leguminosae in Kerala.

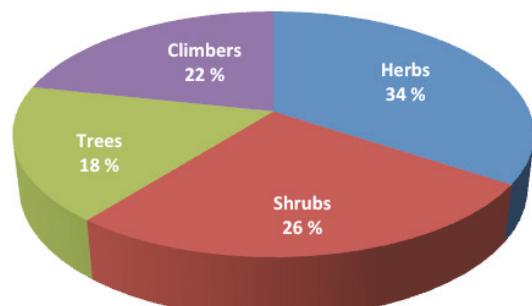


Figure 2. Life form analysis of Leguminosae in Kerala State.

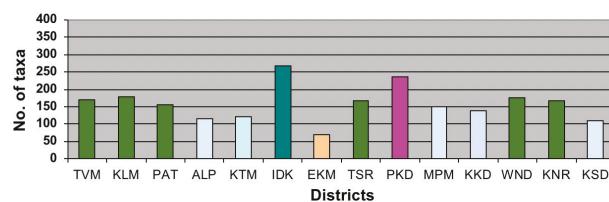


Figure 3. District wise distribution of Legumes in Kerala State: TVM—Thiruvananthapuram | KLM—Kollam | PAT—Pathanamthitta | ALP—Alappuzha | KTM—Kottayam | IDK—Idukki | EKM—Eranakulam | TSR—Thrissur | PKD—Palakkad | MPM—Malappuram | KKD—Kozhikode | WND—Wayanad | KNR—Kannur | KSD—Kasargod.

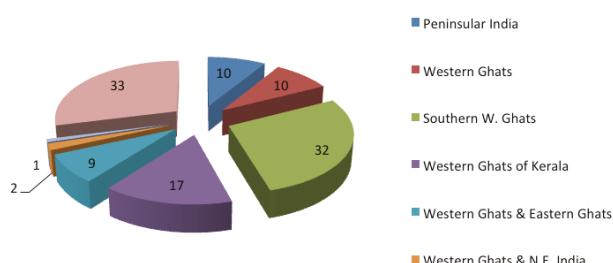


Figure 4. Distribution range wise break up of Indian and Indo-Sri Lankan endemic legumes found in Kerala State

state for pulses/vegetables. *Pisum sativum* (Garden Pea) is cultivated in high ranges in Idukki District. *Dalbergia latifolia* (Malabar Rosewood), *D. lanceolaria*, *D. sissoo*, and *Pterocarpus marsupium* (Kino), and *P. santalinus* (Red Sandalwood) are known for their quality timber.

**Table 1. List of indigenous legumes documented from Kerala.**

	Name of taxa	Habit	Native to	Vouchers/ Reference
	LEGUMINOSAE			
	Subfam. 1. CERCIDOIDEAE			
	1. <i>Bauhinia</i> L.			
1	<i>Bauhinia acuminata</i> L.	S	Indo-Malesia	APB 20690 (MBGH)
2	<i>Bauhinia purpurea</i> L.	T	Indian subcontinent	KKN 3550 (KFRI); APB 20088 (MBGH)
3	<i>Bauhinia racemosa</i> Lam.	T	India, China & Indo-China	NS 716 (KFRI); SVP & APB 20238 (MBGH)
4	<i>Bauhinia variegata</i> L.	T	Indian subcontinent to China	MCL 2233 (RHK); SVP 10039 (MBGH)
	2. <i>Phanera</i> Lour.			
5	<i>Phanera murthyi</i> Vadhyan & J.H.F.Benj.	CS	India (KL; E)	Vide Vadhyan & Benjamin (2019)
6	<i>Phanera phoenicea</i> (Wight & Arn.) Benth. <i>Bauhinia phoenicea</i> Wight & Arn.	CS	India (MH, KA, TN, KL; E)	NS 5219 (KFRI); SVP & APB 20087 (MBGH)
7	<i>Phanera scandens</i> (L.) Lour. ex Raf. <i>Bauhinia scandens</i> L. <i>anguina</i> (Roxb.) H.Ohashi	CS	Indo-Malesia	CAB 11859 (MH); PM 34585 (CALI); NS 5137 (KFRI)
	3. <i>Piliostigma</i> Hochst.			
8	<i>Piliostigma malabaricum</i> (Roxb.) Benth. <i>Bauhinia malabarica</i> Roxb.	T	Tropical Asia to northern Australia	SVP & APB 20084 & 20654 (MBGH)
	Subfam. 2. DETARIOIDEAE			
	4. <i>Cynometra</i> L.			
9	<i>Cynometra beddomei</i> Prain	T	India (KA, KL; E)	TFB 613 (TBGT); NS 5808 (CAL); APB 20607 (MBGH)
10	<i>Cynometra travancorica</i> Bedd.	T	India (KA, TN, KL; E)	CAB 5668 (MH); EV 62880 (CAL); KAA 3514 (CMPR)
	5. <i>Hardwickia</i> Roxb.			
11	<i>Hardwickia binata</i> Roxb.	T	India (DL to KL; E)	KAA 4058 (CMPR); SVP & APB 20255 (MBGH)
	6. <i>Humboldtia</i> Vahl			
12	<i>Humboldtia bourdillonii</i> Prain	T	India (KL; E)	SVP & APB 20531; APB 15548 (MBGH)
13	<i>Humboldtia brunonis</i> Wall. var. <i>brunonis</i>	T	India (KA, TN, KL; E)	VSR 59288 (MH); APB 20605 (MBGH)
14	<i>Humboldtia brunonis</i> Wall. var. <i>raktapushpa</i> Udayan, Tushar & S.George	T	India (KL; E)	APB 20606 & 20821 (MBGH)
15	<i>Humboldtia decurrens</i> Bedd. ex Oliver	T	India (TN, KL; E)	AGP 78079 (MH); SVP 20541 (MBGH)
16	<i>Humboldtia sanjappae</i> Sasidh. & Sujanapal	T	India (KL; E)	SVP & APB 20826 (MBGH)
17	<i>Humboldtia unijuga</i> Bedd. var. <i>trijuga</i> J.Joseph & V.Chandras.	T	India (KL; E)	MM 11273 & 11154 (TBGT)
18	<i>Humboldtia unijuga</i> Bedd. var. <i>unijuga</i>	T	India (TN, KL; E)	NM 4244; RG 94676 (MH).
19	<i>Humboldtia vahliana</i> Wight	T	India (TN, KL; E)	MM 54680 (CAL); APB 20520 (MBGH)
	7. <i>Kingiodendron</i> Harms			
20	<i>Kingiodendron pinnatum</i> (Roxb. ex DC.) Harms	T	India (TN, KL; E)	JA 16227 (CAL); SVP 20914 (MBGH)
	8. <i>Saraca</i> L.			
21	<i>Saraca asoca</i> (Roxb.) W.J.de Wilde	T	India, Myanmar & Sri Lanka	SVP 68482 (MBGH)
	Subfam. 3. DIALIOIDEAE			
	9. <i>Dialium</i> L.			
22	<i>Dialium travancoricum</i> Bourd.	T	India (KL; E)	TFB 1005 (CAL)
	Subfam. 4. CAESALPINIOIDEAE			
	10. <i>Acrocarpus</i> Wight & Arn.			
23	<i>Acrocarpus fraxinifolius</i> Wight & Arn.	T	Indian subcontinent to China	VSR 64065 (MH); PM 33638 (CALI)
	11. <i>Adenanthera</i> L.			
24	<i>Adenanthera pavonina</i> L.	T	Tropical Asia & Madagascar	SCN 2586 (CALI); SVP 10078 (MBGH)

	Name of taxa	Habit	Native to	Vouchers/ Reference
	12. <i>Albizia</i> Durazz.			
25	<i>Albizia amara</i> (Roxb.) Boivin	T	India, Sri Lanka & eastern Africa	SVP & APB 20253, 20254 & 20263 (MBGH)
26	<i>Albizia chinensis</i> (Osbeck) Merr.	T	Tropical Asia & China	SVP 20019 & 10093 (MBGH)
27	<i>Albizia lathamii</i> Hole	T	India (MP, KA, TN, KL; E)	SVP & APB 20263 & 20920 (MBGH)
28	<i>Albizia lebbeck</i> (L.) Benth.	T	Indian subcontinent to Myanmar	NS 1139 (KFRI); SVP 20293 (MBGH)
29	<i>Albizia odoratissima</i> (L.f.) Benth.	T	Indo-Malesia	APB 20044; SVP 10092 (MBGH)
30	<i>Albizia procera</i> (Roxb.) Benth.	T	Tropical Asia to Australia	JJ 17849 (CAL); NS 3859 (KFRI)
	13. <i>Archidendron</i> F.Mull.			
31	<i>Archidendron bigeminum</i> (L.) I.C.Nielsen <i>A. monadelphum</i> (Roxb.) Nielson, var. <i>gracile</i> (Bedd.) Sanjappa	T	Indian subcontinent	SVP 10059; APB 20824 (MBGH)
32	<i>Archidendron clypearia</i> (Jack) I.C.Nielsen	T	Southern & Southeastern Asia	NM 5142 (TBGT); SVP & APB 20666 (MBGH)
	14. <i>Biancaea</i> Tod.			
33	<i>Biancaea decapetala</i> (Roth) O.Deg. <i>Caesalpinia decapetala</i> (Roth) Alston	CS	Tropical Asia	SVP & APB 20618 (MBGH)
34	<i>Biancaea sappan</i> (L.) Tod. <i>Caesalpinia sappan</i> L.	T	Indo-Malesia	NCN 50935 (MH); SVP 20003 (MBGH)
	15. <i>Caesalpinia</i> L.			
35	<i>Caesalpinia crista</i> L.	CS	Indo-Malesia	NS 3822 (KFRI); SCN 1471 (CALI)
	16. <i>Cassia</i> L.			
36	<i>Cassia fistula</i> L.	T	Indian subcontinent to Myanmar	TS 10885 (CALI); SVP & APB20782 (MBGH)
37	<i>Cassia javanica</i> L. subsp. <i>agnes</i> (de Wit) K.Larsen <i>Cassia javanica</i> L. subsp. <i>nodososa</i> (Roxb.) K.Larsen & S.S.Larsen	T	Indo-Malesia	APB 20051; SVP& APB 20630 (MBGH)
38	<i>Cassia roxburghii</i> DC.	T	India & Sri Lanka	SVP20783 (MBGH)
	17. <i>Chamaecrista</i> (L.) Moench			
39	<i>Chamaecrista absus</i> (L.) H.S.Irwin & Barneby	H	Tropics & Subtropics	SVP & APB 20107 & 20987 (MBGH)
40	<i>Chamaecrista auricoma</i> (Benth.) V.Singh	H	Indian subcontinent to Indo-China	APB 20055; SVP & APB 20673 (MBGH)
41	<i>Chamaecrista kleinii</i> (Wight & Arn.) V.Singh	H	India & Sri Lanka	SVP 20483; SVP & APB 20703 (MBGH)
42	<i>Chamaecrista mimosoides</i> (L.) Greene	H	Paleotropics	SVP 20486; APB 20758 & 20899 (MBGH)
43	<i>Chamaecrista nigricans</i> (Vahl) Greene	H	Southern & southwestern Asia & Tropical Africa	SVP & APB 20702 (MBGH)
44	<i>Chamaecrista pumila</i> (Lam.) V.Singh	H	Paleotropics	MRR 1606 (CAL); SVP & APB 20598 (MBGH)
45	<i>Chamaecrista wallichiana</i> (DC.) Singh	H	Indian subcontinent	SR 4684 (RHK); NM 874 (KFRI)
	18. <i>Dichrostachys</i> (DC.) Wight & Arn.			
46	<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	T	India & Sri Lanka	NS 1249 (KFRI); SVP & APB 20793 (MBGH)
	19. <i>Entada</i> Adans.			
47	<i>Entada rheedei</i> Spreng.	CS	Indo-Malesia	NS 5229 (KFRI); APB 20603 (MBGH)
	20. <i>Guilandina</i> L.			
48	<i>Guilandina bonduc</i> L. <i>Caesalpinia bonduc</i> (L.) Roxb.	CS	Paleotropics	SVP 20453 ; SVP & APB 2097 (MBGH)
49	<i>Guilandina major</i> (DC.) Small <i>Caesalpinia globulorum</i> Bakh.f. & Royen	CS	Indo-Malesia to Polynesia	Vide Subramanian (1995)
	21. <i>Hultholia</i> Gagnon & G.P.Lewis			
50	<i>Hultholia mimosoides</i> (Lam.) Gagnon & G.P.Lewis <i>Caesalpinia mimosoides</i> Lam.	CS	Indo-Malesia	EV 60457 (MH); NS 3748 (KFRI)
	22. <i>Mezoneuron</i> Desf.			
51	<i>Mezoneuron cucullatum</i> (Roxb.) Wight & Arn.	CS	Indo-Malesia	VSR 66814 (MH); APB 20608 & 20819 (MBGH)
52	<i>Mezoneuron hymenocarpum</i> Wight & Arn. ex Prain	CS	Tropical Asia to Australia	NS 5224 (KFRI)



	Name of taxa	Habit	Native to	Vouchers/ Reference
	23. <i>Moullava</i> Adans.			
53	<i>Moullava spicata</i> (Dalzell) Nicolson	CS	India (Peninsula; E)	NS 3762 (KFRI); APB 20609 & 20823 (MBGH)
	24. <i>Neptunia</i> Lour.			
54	<i>Neptunia prostrata</i> (Lam.) Baill.	H	Pantropics	JJ 17785 (MH); APB 16322 (MBGH)
	25. <i>Pterolobium</i> R.Br. ex Wight & Arn.			
55	<i>Pterolobium hexapetalum</i> (Roth) Santapau & Wagh	CS	Indian subcontinent	KAA 2083 (CMPR); SVP & APB 20248 (MBGH)
	26. <i>Sanjappa</i> E.R.Souza & Krishnaraj			
56	<i>Sanjappa cynometroides</i> (Bedd.) E.R.Souza & Krishnaraj <i>Inga cynometroides</i> Bedd. ex Baker	T	India (KL; E)	NS 10003 (CAL); SVP & APB 20763 (MBGH)
	27. <i>Senegalia</i> Raf.			
57	<i>Senegalia caesia</i> (L.) Maslin, Seigler & Ebinger <i>Acacia caesia</i> (L.) Willd.	CS	Indo-Malesia	APB 20057; SVP & APB 20256; SVP 20429 (MBGH)
58	<i>Senegalia catechu</i> (L.f.) P.Hurter & Mabb. <i>Acacia catechu</i> (L.f.) Willd.	T	Indian subcontinent	NS 1248 (KFRI); SVP & APB 20588 (MBGH)
59	<i>Senegalia chundra</i> (Roxb. ex Rottl.) Maslin <i>Acacia chundra</i> (Roxb. ex Rottl.) Willd.	T	Indian subcontinent	Vide Sasidharan (2011)
60	<i>Senegalia ferruginea</i> (DC.) Pedley <i>Acacia ferruginea</i> DC.	T	Indian subcontinent	SVP & APB 20269 & 20574 (MBGH)
61	<i>Senegalia pennata</i> (L.) Maslin <i>Acacia pennata</i> (L.) Willd. <i>Acacia grahamii</i> Vair.	CS	Paleotropics	VSR 58742; SVP & APB 20086; APB 20058 (MBGH)
62	<i>Senegalia polyacantha</i> (Willd.) Seigler & Ebinger <i>Acacia polyacantha</i> Willd.	T	Indian subcontinent & Tropical Africa	Vide Sasidharan (2011)
63	<i>Senegalia rugata</i> (Lam.) Britton & Rose <i>Acacia sinuata</i> (Lour.) Merr.	CS	Indo-Malesia	SVP 20412; SVP & APB 20628 (MBGH)
64	<i>Senegalia torta</i> (Roxb.) Maslin, Seigler & Ebinger <i>Acacia torta</i> (Roxb.) Craib	CS	Indian subcontinent	SVP & APB 20586 & 20643 (MBGH)
	28. <i>Senna</i> Mill.			
65	<i>Senna auriculata</i> (L.) Roxb.	S	Indian subcontinent to Myanmar	JJ 17868 (MH); SVP 20466 (MBGH)
66	<i>Senna intermedia</i> (B.D.Sharma, Vivek. & Rathakr.) V.Singh	S	India (TN, KL; E)	SVP 10046; APB 20880 (MBGH)
67	<i>Senna montana</i> (B.Heyne ex Roth) V.Singh	T	India (GU, MH, AP, TN, KL; E)	SVP 68321; APB 20056 (MBGH)
68	<i>Senna septemtrionalis</i> (Viv.) H.S.Irwin & Barneby var. <i>pubescens</i> (V.Singh) V.Singh	S	India (TN, KL; E)	SVP 20072 (MBGH)
69	<i>Senna surattensis</i> (Burm.f.) H.S.Irwin & Barneby	S	Southern and Southeastern Asia	SVP & APB 20692 (MBGH)
70	<i>Senna timorensis</i> (DC.) H.S.Irwin & Barneby	S	Tropical Asia to Australia	Vide Sasidharan (1999)
	29. <i>Vachellia</i> Wight & Arn.			
71	<i>Vachellia horrida</i> (L.) Kyal. & Boatwr. <i>Acacia horrida</i> (L.) Willd.	T	India, Myanmar & Tropical Africa	TFB 362 (MH)
72	<i>Vachellia leucophloea</i> (Roxb.) Maslin, Seigler & Ebinger <i>Acacia leucophloea</i> (Roxb.) Willd.	T	Indo-Malesia	SVP & APB 20252 (MBGH)
73	<i>Vachellia nilotica</i> (L.) P.J.H.Hurter & Mabb. subsp. <i>nilotica</i> (Benth.) Kyal. & Boatwr. <i>Acacia nilotica</i> (L.) Willd. ex Delile ssp. <i>indica</i> (Benth.) Brenan	T	Indian subcontinent to Iran	SCN 1454 (CAL); SVP 20458; SVP & APB 20262 (MBGH)
74	<i>Vachellia planifrons</i> (Wight & Arn.) Ragup., Seigler, Ebinger & Maslin <i>Acacia planifrons</i> Wight & Arn.	T	India & Sri Lanka	SVP & APB 20791 & 20930 (MBGH)
	30. <i>Xylia</i> Benth.			
75	<i>Xylia xylocarpa</i> (Roxb.) Taub.	T	India to Indo-China	NS 709; APB 20059; SVP & APB 20085 (MBGH)
	Subfam. 5. PAPILIONOIDEAE			
	31. <i>Abrus</i> Adans.			
76	<i>Abrus precatorius</i> L.	CS	Pantropical	SVP 20067 & 30333 (MBGH)

	Name of taxa	Habit	Native to	Vouchers/ Reference
77	<i>Abrus pulchellus</i> Wall. ex Thwaites	TH	Tropical Asia, Tropical Africa to southwestern Pacific	APB 8634; SVP 20913 (MBGH)
	32. <i>Aeschynomene</i> L.			
78	<i>Aeschynomene aspera</i> L.	S	Indo-Malesia	KR 74826 (MH); NR 33698 (TBGT); SCN 1512 (CALI)
79	<i>Aeschynomene indica</i> L.	S	Paleotropics	SCN 1174 (CALI); JA 16981 (CALI)
	33. <i>Aganope</i> Miq.	CS		
80	<i>Aganope agastyamalayana</i> M.B.Viswan, Manik. & Tangav.		India (TN, KL; E)	TFB 17409 (MH)
81	<i>Aganope thrysiflora</i> (Benth.) Polhill <i>A. thrysiflora</i> var. <i>eualata</i> (Bedd.) Thoth. & D.N.Das.	CS	India, China, Malesia	NS 5395 (CALI); APB 20053; SVP & APB 20642 (MBGH)
	34. <i>Alysicarpus</i> Neck. ex Desv.			
82	<i>Alysicarpus bupleurifolius</i> (L.) DC. var. <i>bupleurifolius</i>	H	Indo-Malesia to Polynesia	APB 20739; SVP 20290 & 20472 (MBGH)
83	<i>Alysicarpus bupleurifolius</i> var. <i>hybridus</i> DC.	H	India (MH, GA, KA, KL; E)	Vide Pokle (2017)
84	<i>Alysicarpus glumaceus</i> (Vahl) DC.	H	Paleotropics	APB 20735 & 20795; SVP 20414 (MBGH)
85	<i>Alysicarpus hamosus</i> Edgew.	H	Western Himalaya to India	TS 10821 (CALI)
86	<i>Alysicarpus heterophyllus</i> (Baker.) Jafri & Ali	H	Indian subcontinent & eastern Arabian Peninsula	SVP & APB 20676 (MBGH)
87	<i>Alysicarpus monilifer</i> (L.) DC.	H	Indian subcontinent to West Africa	KR 75538; CNM 63731; MM 63895 (MH)
88	<i>Alysicarpus naikianus</i> Pokle	H	India (MH, KL; E)	Vide Pokle (1999)
89	<i>Alysicarpus parviflorus</i> Dalzell <i>Desmodium alysicarpoides</i> Meeuwen	H	Indo-Malesia	SVP & APB 20710; APB 20749 (MBGH)
90	<i>Alysicarpus racemosus</i> Benth. <i>Desmodium ritchiei</i> Sanjappa	H	India (RJ, GU, MP, MH, OD, KA, TN, KL; E)	KAA 4746 (CMPR); PB 90985 (MH)
91	<i>Alysicarpus scariosus</i> Graham <i>A. scariosus</i> Graham var. <i>pilifer</i> (Prain) Pramanik & Thoth.	H	Indian subcontinent to Myanmar	KMS 1643 (CAL)
92	<i>Alysicarpus vaginalis</i> (L.) DC. <i>A. vaginalis</i> (L.) DC. var. <i>nummularifolius</i> Miq.	H	Paleotropics	RA 74362 (CAL); SVP 20457; TAR 8131 (CALI)
	35. <i>Aphyllodium</i> (DC.) Gagnep.			
93	<i>Aphyllodium biarticulatum</i> (L.) Gagnep. <i>Desmodium biarticulatum</i> F.Muell.	H	Indo-Malesia to Australia	SCN 10019 (CALI); SVP 20771 (MBGH)
	36. <i>Butea</i> Roxb. ex Willd.			
94	<i>Butea monosperma</i> (Lam.) Taub.	T	Indian subcontinent to China	SCN 1913 (CALI); APB 16123 (MBGH)
	37. <i>Cajanus</i> DC.			
95	<i>Cajanus albicans</i> (Wight & Arn.) Maesen	CS	India & Sri Lanka	KAA 2338 (CMPR)
96	<i>Cajanus cajan</i> (L.) Huth	S	India	SVP 20510 (MBGH)
97	<i>Cajanus goensis</i> Dalz.	CS	Indo-Malesia and China	NS 3794; JA 17127 (CALI); SVP 30386 (MBGH)
98	<i>Cajanus heynei</i> (Wight & Arn.) Maesen	CS	India & Sri Lanka	SVP & APB 20614 & 20956; SVP 30386 (MBGH)
99	<i>Cajanus lineatus</i> (Wight & Arn) Maesen	S	India & Sri Lanka	SVP 20433; APB 20864 & 20880 (MBGH)
100	<i>Cajanus rugosus</i> (Wight & Arn.) Maesen	CS	India & Sri Lanka	APB 20736; JA 12679 (CALI)
101	<i>Cajanus scarabaeoides</i> (L.) Thouars	H	Tropical Asia	APB 20050 & 20869 (MBGH)
102	<i>Cajanus trinervius</i> (DC) Maesen	S	India & Sri Lanka	SVP & APB 20201 (MBGH)
	37. <i>Canavalia</i> DC.			
103	<i>Canavalia africana</i> Dunn	CS	India, Sri Lanka, Africa and Hawaiian Islands	SVP & APB 20226; SVP 13234 & 20402 (MBGH)
104	<i>Canavalia cathartica</i> Thouars	CS	Tropical Asia, Africa & Pacifics	SVP& APB 20175; SVP 20068 (MBGH)
105	<i>Canavalia gladiata</i> (Jacq.) DC.	CS	Tropical & Subtropical Asia	EV 44721 (MH); NS 5160 (KFRI); SVP 20511 (MBGH)
106	<i>Canavalia mollis</i> Wall. ex Wight & Arn.	CS	Indo-Malesia	Vide Sasidharan (1998 & 1999)
107	<i>Canavalia rosea</i> (Sw.) DC.	H	Tropics & Subtropics	TAR 9925; VSR 64018 (CAL); APB 16201 (MBGH)



	Name of taxa	Habit	Native to	Vouchers/ Reference
	38. <i>Codariocalyx</i> Hassk.			
108	<i>Codariocalyx motorius</i> (Houtt.) H.Ohashi <i>Desmodium motorium</i> (Houtt.) Merr.	S	Tropical & Subtropical Asia	SVP 20929; APB 20762 (MBGH)
	39. <i>Crotalaria</i> L.			
109	<i>Crotalaria acicularis</i> Buch.-Ham. ex Benth.	H	Indo-Malesia-Australia	Vide Ansari (2008)
110	<i>Crotalaria alata</i> Buch.-Ham. ex D. Don	S	Himalaya to North Australia	MCL 2419 (RHK); VSR 66828 (MH)
111	<i>Crotalaria albida</i> B.Heyne ex Roth	H	Tropical Asia to northern Australia	KAA 4003 (CMPR); NM 10473 & 10743 (CALI)
112	<i>Crotalaria angulata</i> Mill.	H	India & Sri Lanka	KMS 15320 (CAL).
113	<i>Crotalaria assamica</i> Benth. var. <i>keralensis</i> Krishnaraj, N. Mohanan & V.T. Antony	S	India (KL; E)	SVP & APB 20301 (MBGH)
114	<i>Crotalaria barbata</i> Graham ex Wight & Arn.	S	India (TN, KL; E)	PM 33861; TS 11311 (CALI)
115	<i>Crotalaria beddomeana</i> Thoth. & A.A.Ansari	S	India & Sri Lanka	KMS 17489 (CAL); SVP & APB 20208 (MBGH)
116	<i>Crotalaria berteroana</i> DC.	S	India, Indonesia & Sri Lanka	CEC 4504; AM 12967 (MH)
117	<i>Crotalaria bifaria</i> L.f.	H	India & Sri Lanka	Vide Ansari (2008)
118	<i>Crotalaria calycina</i> Schrank	H	Paleotropics	CEC 2272 (MH); APB 20727 & 20896 (MBGH)
119	<i>Crotalaria candicans</i> Wight & Arn.	S	India (AP, TN, KL; E)	EV 46190 (MH).
120	<i>Crotalaria clarkei</i> Gamble	H	India (OD, AP, KA, TN, KL; E)	VSR 62109 (MH); SVP & APB 20563; APB 20743 (MBGH)
121	<i>Crotalaria dubia</i> Graham	H	Southern Asia & China	VSR 58735 (CAL); MM 61782 (CAL); SVP 20485 (MBGH)
122	<i>Crotalaria evolvuloides</i> Wight <i>C. evolvuloides</i> Wight var. <i>acutifolia</i> Gamble	H	India & Sri Lanka	VSR 58206 (CAL); APB 20047 & 20838 (MBGH)
123	<i>Crotalaria ferruginea</i> Graham ex Benth.	H	Indo-Malasia	Vide Sasidharan (1999 & 2002)
124	<i>Crotalaria formosa</i> Graham ex Wight & Arn.	S	India (TN, KL; E)	PM 3387 (CALI).
125	<i>Crotalaria fysonii</i> Dunn var. <i>glabra</i> Gamble	H	India (TN, KL; E)	Vide Sasidharan (1998)
126	<i>Crotalaria fysonii</i> Dunn var. <i>fysonii</i>	H	India (TN, KL; E)	SVP & APB 20219; APB 20829 (MBGH)
127	<i>Crotalaria goreensis</i> Guill. & Perr.	H	Tropical Africa & Australia	Vide Ansari (2008)
128	<i>Crotalaria grahamiana</i> Wight & Arn.	S	India (TN, KL; E)	MM 59332 (CAL); SVP & APB 10002 (MBGH)
129	<i>Crotalaria hebbecarpa</i> (DC.) Rudd	H	Southern Asia	SVP 20482; APB 20726 & 20829 (MBGH)
130	<i>Crotalaria heyneana</i> Graham ex Wight & Arn.	S	India (KA, TN, KL; E)	NS 3325 (CALI); SVP 20408 (MBGH)
131	<i>Crotalaria hirsuta</i> Willd.	H	Indian subcontinent	Vide Vajravelu (1990)
132	<i>Crotalaria hirta</i> Willd.	H	India & Indo-China	Vide Ansari (2008)
133	<i>Crotalaria humifusa</i> Graham ex Benth.	H	Himalaya to northern Australia	SVP & APB 20947; APB 20881 (MBGH)
134	<i>Crotalaria juncea</i> L.	H	South and South East Asia & China	RA 74318 (CAL); SVP 20406 & 20438 (MBGH)
135	<i>Crotalaria laburnifolia</i> L.	S	Tropical Asia, South Africa & northern Australia	KMS 14740 (CAL); SVP 20061 (MBGH)
136	<i>Crotalaria laevigata</i> Lam.	S	India & Madagascar	SVP & APB 20945; SVP 20413 (MBGH)
137	<i>Crotalaria leptostachya</i> Benth.	S	India (Peninsula; E)	Vide Ansari (2008)
138	<i>Crotalaria linifolia</i> L.f.	H	Trop. Asia	MM 59323 (CAL); AES 13038 (TBGT)
139	<i>Crotalaria longipes</i> Wight & Arn. <i>Crotalaria shevaroyensis</i> Gamble <i>Crotalaria subperfoliata</i> Wight	S	India (AP, TN, KL; E)	JA 13017 & 17056 (CALI); SVP & APB 20963 (MBGH)
140	<i>Crotalaria madurensis</i> Wight	S	India (TN, KL; E)	Vide Ansari (2008)
141	<i>Crotalaria medicaginea</i> Lam.	S	Southern Asia to Australia	Priya K.D. 51709 (CALI)
142	<i>Crotalaria multiflora</i> Benth. <i>Crotalaria kurisumalayana</i> Sibichen & Nampy * <i>Crotalaria multiflora</i> Benth. var. <i>kurisumalayana</i> (Sibichen & Nampy) Krishnaraj & N.Mohanan, syn. nov.	H	India & Sri Lanka	SMT 759 (CALI); SVP 20439; APB 20757 (MBGH)
143	<i>Crotalaria mysorensis</i> Roth	H	Indo-Malesia	NS 5147 (CALI); SVP & APB 20265 (MBGH)

	Name of taxa	Habit	Native to	Vouchers/ Reference
144	<i>Crotalaria nana</i> Burm. f. <i>Crotalaria nana</i> Burm.f. var. <i>umbellata</i> (Wight ex Wight) Trimen	H	Indo-Malesia	MM 63352 (CAL); SVP 20073; APB 20723 (MBGH)
145	<i>Crotalaria notonii</i> Wight & Arn.	H	India	TS 10003 (CAL); AAA 97189 (MH).
146	<i>Crotalaria obtecta</i> Graham ex Wight & Arn. var. <i>glabrescens</i> (Benth.) Baker	S	India (AP, KA, TN, KL; E)	KAA 7727 (CMPR); BVS 26591 (CAL)
147	<i>Crotalaria obtecta</i> Graham ex Wight & Arn. var. <i>obtecta</i>	S	India (KA, TN, KL; E)	AKP 5496 (CAL); SVP & APB 20098 & 20216 (MBGH)
148	<i>Crotalaria pallida</i> Aiton var. <i>obovata</i> (G. Don) Polhill	S	Tropical Africa to Taiwan	SVP 13279; APB 20052 (MBGH)
149	<i>Crotalaria pallid</i> Aiton var. <i>pallida</i>	S	Tropical Asia & Africa	KMS 25390 (CAL); SVP & APB 10085 (MBGH)
150	<i>Crotalaria peduncularis</i> Graham ex. Wight & Arn.	S	India (TN, KL; E)	JA 14550 (CAL); RHB s.n. (MH-12675).
151	<i>Crotalaria prostrata</i> Rottler ex Willd.	H	Indo-Malesia	RA 74415 (CAL); MCL 49052 (CAL)
152	<i>Crotalaria pusilla</i> DC.	H	India (BR to KL; E)	JJ 17882 (MH)
153	<i>Crotalaria quinquefolia</i> L.	H	Tropical Asia	PM 33476 (CAL); SVP & APB 20709 (MBGH)
154	<i>Crotalaria retusa</i> L.	S	Tropics	SVP & APB 20964; APB 20048 (MBGH)
155	<i>Crotalaria salicifolia</i> B.Heyne ex Wight & Arn.	S	India (KA, TN, KL; E)	SVP 20451; APB 20815 & 20835 (MBGH)
156	<i>Crotalaria scabra</i> Gamble	S	India (TN, KL; E)	CAB 2931 (CAL); MM 66092 (MH)
157	<i>Crotalaria scabrella</i> Wight & Arn.	H	India (KA, TN, KL; E)	SVP & APB 00121; APB 20737 (MBGH)
158	<i>Crotalaria semperflorens</i> Vent.	S	India & Malesia	SVP 20416; SVP& APB 20961 (MBGH)
159	<i>Crotalaria spectabilis</i> Roth	S	Paleotropics	MCL 1863 (RHK); APB 20830 (MBGH)
160	<i>Crotalaria speciosa</i> B.Heyne ex Roth	S	India (AP, KA, TN, KL; E)	RA 2008 (CAL)
161	<i>Crotalaria trichotoma</i> Bojer	S	Tropical Africa	APB 10999 (MBGH)
162	<i>Crotalaria trifoliastrum</i> Willd.	S	India & Bhutan	SVP & APB 20250 (MBGH)
163	<i>Crotalaria triquetra</i> Dalz.	H	India & Sri Lanka	SVP 20438; SVP & APB 20944 (MBGH)
164	<i>Crotalaria verrucosa</i> L.	H	Tropics	SCN 1204 (CAL); SVP 20805 (MBGH)
165	<i>Crotalaria walkeri</i> Arn.	S	India & Sri Lanka	SVP 20416; APB 20739 (MBGH)
166	<i>Crotalaria wightiana</i> Graham ex Wight & Arn.	S	India & Sri Lanka	SVP 20011; SVP & APB 20672 (MBGH)
167	<i>Crotalaria willdenowiana</i> DC.	S	India & Sri Lanka	Vide Nair et al. (1981)
	40. <i>Cullen</i> Medik.			
168	<i>Cullen corylifolium</i> (L.) Medik. <i>Psoralea corylifolia</i> L.	H	Tropical Africa & Asia	VTA 624 (RHK)
	41. <i>Cyamopsis</i> DC.			
169	<i>Cyamopsis tetragonoloba</i> (L.) Taub.	H	India & Sri Lanka	SVP & APB 20602 (MBGH)
	42. <i>Dalbergia</i> L. f.			
170	<i>Dalbergia beddomei</i> Thoth.	CS	India (KL; E)	KKN 3236 (KFRI)
171	<i>Dalbergia benthamii</i> Prain	CS	India & China	KKN 3237 (KFRI)
172	<i>Dalbergia candenatensis</i> (Dennst.) Prain	CS	Indo-Malesia, China, and Australia	SCN 1637 (CAL); SVP & APB 20110 (MBGH)
173	<i>Dalbergia congesta</i> Graham ex Wight & Arn.	CS	India (TN, KL; E)	Vide Sasidharan (1999)
174	<i>Dalbergia horrida</i> (Dennst.) Mabb.var. <i>glabrescens</i> (Prain) Thoth & Nair	CS	India to Indo-China	KKN 2880 (KFRI); MAL 218 (CAL)
175	<i>Dalbergia horrida</i> (Dennst.) Mabb. var. <i>horrida</i>	CS	India to Malayan Peninsula	NCN 81241 (MH); APB 20822; SVP 20966 (MBGH)
176	<i>Dalbergia lanceolaria</i> L. f.subsp. <i>lanceolaria</i>	T	Indian Subcontinent to Indo-China	SVP & APB 20225 & 20264 (MBGH)
177	<i>Dalbergia lanceolaria</i> L. f., subsp. <i>paniculata</i> (Roxb.) Thoth.	T	India to Indo-China	KKN 2837 (KFRI); SVP 20446 (MBGH)
178	<i>Dalbergia latifolia</i> Roxb.	T	Indo-Malesia	SCN 1425 (CAL); SVP & APB 20272 (MBGH)
179	<i>Dalbergia malabarica</i> Prain	CS	India (OD,MH, KA, TN, KL; E)	SVP & APB 20681; APB 20687 (MBGH)
180	<i>Dalbergia pinnata</i> (Lour.) Prain. var. <i>acaciaefolia</i> (Dalz.) Thoth.	CS	India (KA, TN, KL; E)	Vide Thothathri (1987)



	Name of taxa	Habit	Native to	Vouchers/ Reference
181	<i>Dalbergia pseudo-sissoo</i> Miq.	CS	Indo-Malesia	NA 544 (MH); NM 11091 (TBGT)
182	<i>Dalbergia rubiginosa</i> Roxb.	CS	India (Peninsula; E)	KKN 2821 (KFRI); NCN 81115 (CAL);
183	<i>Dalbergia sericea</i> G.Don.	T	Indian subcontinent to Tibet	SVP & APB 20277(MBGH)
184	<i>Dalbergia sissooides</i> Graham ex Wight & Arn.	T	India & Indonesia	VSR 62018; TFB 535 (MH); SVP & APB 20082(MBGH)
185	<i>Dalbergia sissoo</i> Roxb.	T	Tropical Himalaya to northeastern India	KKN 3212 (KFRI); SCN 1980 (CALI); SVP& APB 20768 (MBGH)
186	<i>Dalbergia travancorica</i> Thoth.	CS	India (KL; E)	Vide Jagadeesan et al. (2015)
187	<i>Dalbergia volubilis</i> Roxb.	CS	Indian subcontinent to Indo-China	KKN 3218 (KFRI); KAA 3935(CMPR)
	43. <i>Dendrolobium</i> (Wight & Arn.) Benth.			
189	<i>Dendrolobium triangulare</i> (Retz.) Schindl. <i>Desmodium triangulare</i> (Retz.) Merr.	S	Indo-Malesia & China	SVP & APB 20080; APB 20046 (MBGH)
	44. <i>Derris</i> Lour.			
190	<i>Derris benthamii</i> (Thwaites) Thwaites	CS	India & Sri Lanka	VSR 68242; NCN 64288 (CAL); KAA 4368 (CMPR)
191	<i>Derris brevipes</i> (Benth.) Baker var. <i>brevipes</i>	CS	India (MH, KA, TN, KL; E)	SVP & APB 20521 & 20616 (MBGH)
192	<i>Derris brevipes</i> (Benth.) Baker var. <i>coriacea</i> Baker	CS	India (KA, TN, KL; E)	SVP & APB 20534 & 20647 (MBGH)
193	<i>Derris canarensis</i> (Dalzell) Baker	CS	India & Sri Lanka	NS 3924 (KFRI); AM 12621; MRR 902 (CAL)
194	<i>Derris elliptica</i> (Wall.) Benth.	CS	Indo-Malesia	Vide Sasidharan (2011)
195	<i>Derris scandens</i> (Roxb.) Benth.	CS	Indo-Malesia	SVP & APB 10096 & 20077 (MBGH)
196	<i>Derris thothathrii</i> Bennet	CS	India (MH, KA, TN, KL; E)	EV 46241; BDS 43811; KV 66128 (MH)
197	<i>Derris trifoliata</i> Lour.	CS	Paleotropics	SVP & APB 20103; SVP 20772 (MBGH)
	45. <i>Dolichos</i> L.			
198	<i>Dolichos trilobus</i> L.	CS	India, Sri Lanka, Southeastern Asia & Africa	SVP & APB 20525; APB 20752 (MBGH)
	46. <i>Dumasia</i> DC.			
199	<i>Dumasia villosa</i> DC.	TH	Paleotropics	SVP & APB 20948; APB 20883 (MBGH)
	47. <i>Dunbaria</i> Wight & Arn			
200	<i>Dunbaria punctata</i> (Wight & Arn.) Benth.	TH	Tropical Asia to Australia	SVP & APB 20984; APB 20998 (MH)
	48. <i>Dysolobium</i> (Benth.) Prain			
201	<i>Dysolobium dolichoides</i> (Roxb.) Prain	CS	Indo-Malesia	PM 33017 (CALI).
	49. <i>Erythrina</i> L.			
202	<i>Erythrina fusca</i> Lour.	T	Indo-Malesia, Tropical Africa & Tropical America	SVP 20514
203	<i>Erythrina stricta</i> Roxb.	T	Indian subcontinent & southern China	SVP 10056
204	<i>Erythrina suberosa</i> Roxb.	T	Indo-Malesia	SVP 33372
205	<i>Erythrina subumbrans</i> (Hassk.) Merr.	T	Tropical Asia to China	VSR 53979 (CAL); SVP 20434 & 132474 (MBGH)
206	<i>Erythrina variegata</i> L.	T	Indo-Malesia, China & Africa	EV 60409 (CAL); SCN 2162 (CALI)
	50. <i>Flemingia</i> Roxb. ex W.T.Aiton			
207	<i>Flemingia grahamiana</i> Wight & Arn.	S	India, Indo-China & Tropical Africa	SVP & APB 20013 &20564 (MBGH)
208	<i>Flemingia macrophylla</i> (Willd.) Kuntze ex Merr.	S	Tropical Asia to Australia	SVP 20494; APB 20816 & 20822 (MBGH)
209	<i>Flemingia nilgheriensis</i> (Baker) Wight ex T.Cooke	TH	India (OD, MH, GA, KA, TN, KL; E)	EV 48862 (MH); TS 10844 (CALI); KAA 4773 (CMPR)
210	<i>Flemingia semialata</i> Roxb.	S	Indian subcontinent& Indo-China	SVP & APB 20646; APB 20879 (MBGH)
211	<i>Flemingia stricta</i> Roxb.	S	South Asia & China	NM 11202 (TBGT)
213	<i>Flemingia strobilifera</i> (L.) W.T.Aiton	S	Indo-Malesia	SVP & APB 20705; APB 20766 & 20859 (MBGH)
213	<i>Flemingia tuberosa</i> Dalzell	S	India (GU, MH, GA, KA, TN, KL; E)	Vide Prasad et al. (2011)



	Name of taxa	Habit	Native to	Vouchers/ Reference
214	<i>Flemingia wallichii</i> Wight & Arn.	S	India & Myanmar	VSR 61361; RHB 16943; KMS 15667 (MH)
215	<i>Flemingia wightiana</i> Graham ex Wight & Arn.	S	India, Sri Lanka & Bhutan	EV 49751 (CAL)
	51. <i>Galactia</i> P. Browne			
216	<i>Galactia striata</i> (Jacq.) Urb. var. <i>villosa</i> Wight & Arn. <i>Galactia tenuiflora</i> (Willd.) Wight & Arn. var. <i>villosa</i> Wight & Arn.	CS	Paleotropics	Vide Sasidharan (1999)
217	<i>Galactia tenuiflora</i> (Willd.) Wight & Arn.	CS	Indo-Malesia, Australia and Africa	SVP & APB 20592; APB 20049 (MBGH)
	52. <i>Geissaspis</i> Wight & Arn.			
218	<i>Geissaspis cristata</i> Wight & Arn.	H	Indian subcontinent, Indo-China & China	SVP 20418; SVP & APB 20682; APB 20876 (MBGH)
219	<i>Geissaspis tenella</i> Benth. <i>Geissaspis tenella</i> Benth. var. <i>malabarica</i> Sivar. & Babu	H	India (MH, GA, KA, TN, KL; E)	PM 38675 (CAL); AB 37408 (CAL); APB 20401 (MBGH)
	53. <i>Grona</i> Lour.			
220	<i>Grona ferruginea</i> (Wall. ex Thwaites) H.Ohashi & K.Ohashi <i>Desmodium ferrugineum</i> Wall. ex Thwaites	S	India & Sri Lanka	PM 33577 (CAL); SVP & APB 20251 (MBGH)
221	<i>Grona heterocarpa</i> (L.) H.Ohashi & K.Ohashi var. <i>gymnocarpa</i> (Schindl.) H.Ohashi & K.Ohashi <i>Desmodium heterocarpon</i> (L.) DC. var. <i>gymnocarpum</i> Schindl.	H	India & Sri Lanka	Vide Sasidharan (1997)
222	<i>Grona heterocarpa</i> (L.) H.Ohashi & K.Ohashi var. <i>heterocarpa</i> <i>Desmodium heterocarpon</i> (L.) DC. var. <i>heterocarpon</i>	H	Tropical Asia to southwestern Pacific	JA 14210 (CAL); SVP & APB 20773 (MBGH)
223	<i>Grona heterocarpa</i> (L.) H.Ohashi & K.Ohashi var. <i>strigosa</i> (Meeuwen) H.Ohashi & K.Ohashi <i>Desmodium heterocarpon</i> (L.) DC. var. <i>strigosum</i> Meeuwen	H	Indo-Malesia	KAA 3640 (CMPR); APB 20813 (MBGH)
224	<i>Grona heterophylla</i> (Willd.) H.Ohashi & K.Ohashi <i>Desmodium heterophyllum</i> (Willd.) DC.	H	Tropical Asia	SVP 10053; APB 20165 (MBGH)
225	<i>Grona styracifolia</i> (Osbeck) H.Ohashi & K.Ohashi <i>Desmodium styracifolium</i> (Osbeck) Merr.	H	Tropical & subtropical Asia to northwestern Pacific	SVP 20436; APB 20749 (MBGH)
226	<i>Grona triflora</i> (L.) H.Ohashi & K.Ohashi <i>Desmodium triflorum</i> (L.) DC.	H	Paleotropics	SCN 1987 (CAL); SVP & APB 20197 (MBGH)
227	<i>Grona wynaudensis</i> (Bedd. ex Gamble) H.Ohashi & K.Ohashi <i>Desmodium wynaudense</i> Bedd. ex Gamble	S	India (TN, KL; E)	SVP 20435; APB 20890 (MBGH)
	54. <i>Hylodesmum</i> H.Ohashi & R.R.Mill			
228	<i>Hylodesmum laxum</i> (DC.) H.Ohashi & R.R.Mill <i>Desmodium laxum</i> DC.	H	Southern and Southeastern Asia & China	PB 81118 (CAL)
229	<i>Hylodesmum repandum</i> (Vahl) H.Ohashi & R.R.Mill <i>Desmodium repandum</i> (Vahl) DC.	H	Paleotropics	AKP 56363; SVP & APB 00120 & 20952 (MBGH)
	55. <i>Indigofera</i> L.			
230	<i>Indigofera aspalathoides</i> Vahl ex DC.	S	India & Sri Lanka	AB 38172 (CAL)
231	<i>Indigofera astragalina</i> DC.	H	Paleotropics	SVP 20477; SVP & APB 20594 (MBGH)
232	<i>Indigofera cassioides</i> Rottler ex DC.	S	Indian subcontinent & Indo-China	SVP & APB 20566, 20623 & 20707 (MBGH)
233	<i>Indigofera coerulea</i> Roxb.	S	India, Iran, Pakistan, Sri Lanka & Tropical Africa	VTA 4667A (RHK)
234	<i>Indigofera colutea</i> (Burm. f.) Merr.	S	Paleotropics	NS 3739 (KFRI); SVP & APB 20584 (MBGH)
235	<i>Indigofera constricta</i> (Thwaites) Trimen	S	India, Nepal, Sri Lanka	SVP 20484; SVP & APB 20959 (MBGH)
236	<i>Indigofera hendecaphylla</i> Jacq. <i>I. spicata</i> Forsk.	H	India, Sri Lanka & Africa	SVP 20421; APB 20979 (MBGH)
237	<i>Indigofera galegoidea</i> DC.	S	Indo-Malesia & China	CAB 1785; NA 1248 (MH)
238	<i>Indigofera glabra</i> L	H	India to Indo-China	MRR 2157 (CAL); SVP 20064 & 20476 (MBGH)
239	<i>Indigofera glandulosa</i> J.C.Wendl.	S	Indo-Malesia to Australia	Vide Sasidharan (1999)
240	<i>Indigofera hirsuta</i> L.	H	Pantropical	NS 765 (KFRI); SVP 20770 (MBGH)



	Name of taxa	Habit	Native to	Vouchers/ Reference
241	<i>Indigofera karuppiana</i> Pallithanam	H	India (MH, KA, TN, KL; E)	CEC 2342 (CAL); KAA 4214 (CMPR)
242	<i>Indigofera linnaei</i> Ali	H	Indo-Malesia to Australia and West Africa	SVP 20407; SVP & APB 20243 (MBGH)
243	<i>Indigofera longiracemosa</i> Boivin ex Baill.	S	India, Tropical Africa & Madagascar	CAB 6674 & 6745; MM 54878 (MH)
244	<i>Indigofera nummularijifolia</i> (L.) Livera ex Alston	H	India, Indo-China, Tropical Africa & Madagascar	SCN 2230 (CAL); MM 63840 (CAL).
245	<i>Indigofera pedicellata</i> Wight & Arn.	H	India & Taiwan	BVS 28327; PB 90988 (MH)
246	<i>Indigofera prostrata</i> Willd.	H	Indian subcontinent	EV 26291 (CAL); APB 20834 & 20873 (MBGH)
247	<i>Indigofera tinctoria</i> L.	H	Paleotropics	EV 62885; SVP 20509 (MBGH)
248	<i>Indigofera trifoliata</i> L.	H	Tropical Asia to Australia	SVP & APB 20295 & 20573 (MBGH)
249	<i>Indigofera trita</i> L.f. var. <i>marginulata</i> (Graham ex Wight & Arn.) Sanjappa	H	India (TN, KL; E)	SVP & APB 20662 (MBGH)
250	<i>Indigofera trita</i> Linn. f., var. <i>scabra</i> Ali	H	Tropics & Subtropics	SVP & APB 20662 (MBGH)
251	<i>Indigofera trita</i> L. var. <i>trita</i>	H	Paleotropics	MRR 1627 (CAL)
252	<i>Indigofera uniflora</i> Buch.-Ham. ex Roxb.	H	India (AP, KA, TN, KL; E)	SVP & APB 20943; SVP 20807 (MBGH)
253	<i>Indigofera viciooides</i> Jaub. & Spach	H	India & Africa	SVP & APB 20593 (MBGH)
254	<i>Indigofera wightii</i> Graham ex Wight & Arn.	H	India, Sri Lanka & Indo-China	SVP & APB 20620(MBGH)
255	<i>Indigofera zollingeriana</i> Miq.	T	Southern & Southeastern Asia	VSR 52299 (CAL); MM 63212 (MH)
	56. <i>Kunstleria</i> Prain			
256	<i>Kunstleria keralensis</i> C.N.Mohanam & N.C.Nair	CS	India (KL; E)	NM 9157 (CAL); SVP & APB 20780 (MBGH)
	57. <i>Lablab</i> Adans.			
257	<i>Lablab purpureus</i> (L.) Sweet	CS	India, Africa & Madagascar	SVP & APB 20613 (MBGH)
	58. <i>Leptodesmia</i> (Benth.) Benth. & Hook. f.			
258	<i>Leptodesmia microphylla</i> (Thunb.) H.Ohashi & K.Ohashi <i>Desmodium microphyllum</i> (Thunb.) DC.	H	Tropical Asia to North Australia	JA 14255 (CAL); APB 20731 & 20853 (MBGH)
	59. <i>Leptospron</i> (Benth. & Hook f.) A.Delgado.			
259	<i>Leptospron adenanthum</i> (G.Mey.) A.Delgado. <i>Vigna adenantha</i> (G.Mey.) Marechal, Mascherpa & Stanier	TH	Tropics & Subtropics	SVP & APB 20101; APB 20982 (MBGH)
	60. <i>Macrotyloma</i> (Wight & Arn.) Verdc.			
260	<i>Macrotyloma uniflorum</i> (Lam.) Verdc.	CS	Indian subcontinent & Tropical Africa	SVP 10047; SVP & APB 20271 & 20565 (MBGH)
	61. <i>Millettia</i> Wight & Arn.			
261	<i>Millettia peguensis</i> Ali	T	Southern & Southeastern Asia	SVP 20908 (MBGH)
262	<i>Millettia pulchra</i> (Benth.) Kurz. var. <i>munnarensis</i> Balan & Predeep	T	India (KL; E)	SVP & APB 20983 & 20986 (MH, MBGH)
263	<i>Millettia rubiginosa</i> Wight & Arn.	CS	India (TN, KL; E)	SVP & APB 20527 & 20613 (MBGH)
264	<i>Millettia splendens</i> Wight & Arn.	CS	India (TN, KL; E)	TS 10943 (CAL); NCN 56870 (MH)
	62. <i>Monarthrocarpus</i> Merr.			
265	<i>Monarthrocarpus dolabriiformis</i> (Benth.) H.Ohashi & K.Ohashi <i>Desmodium dolabriiforme</i> Benth.	H	India & Madagascar	AN 27473 (TBGT)
	63. <i>Mucuna</i> Adans.			
266	<i>Mucuna atropurpurea</i> (Roxb.) DC. ex Wight & Arn.	CS	India & Sri Lanka	AM s.n. (CAL); SVP & APB 20589 (MBGH)
267	<i>Mucuna bracteata</i> DC. ex Kurz	CS	Eastern Himalaya to China & Sumatra	APB 20991 (MBGH)
268	<i>Mucuna gigantea</i> (Willd.) DC.	CS	Indo-Malesia, South Africa to the Pacific	SVP & APB 10094; SVP 20781 (MBGH)
269	<i>Mucuna monosperma</i> DC. ex Wight	CS	Indian subcontinent to Indo-China	VSR 62026; PB 65758 (MH)



	Name of taxa	Habit	Native to	Vouchers/ Reference
270	<i>Mucuna pruriens</i> (L.) DC var. <i>hirsuta</i> (Wight & Arn.) Wilmot-Dear <i>Mucuna pruriens</i> (L.) DC. var. <i>thekkadiensis</i> Thoth. & S.Ravik.	CS	India, Thailand & Vietnam	VSR 61964; KR 755922 (MH); JA 12579 (CALI)
271	<i>Mucuna pruriens</i> (L.) DC var. <i>pruriens</i>	CS	Paleotropics	NS 3882 (KFRI); SVP & APB 20962 (MBGH)
	64. <i>Mundulea</i> (DC.) Benth.			
272	<i>Mundulea sericea</i> (Willd.) A.Chev.	S	India, Sri Lanka, Africa & Madagascar	PB 56915 (CAL); SVP 20919 (MBGH)
	65. <i>Neonotonia</i> J.A.Lackey			
273	<i>Neonotonia wightii</i> (Wight & Arn.) J.A.Lackey	CS	India, Sri Lanka, Arabian Peninsula & Tropical Africa	SVP & APB 20953; APB 20720 (MBGH)
	66. <i>Ophrestia</i> H.M.L. Forbes			
274	<i>Ophrestia pentaphylla</i> (Dalzell) Verdc.	TH	India (ML, MH, AP, KA, TN, KL; E)	RHB s.n.; VN 1085 (MH); PM 33201(CALI)
	67. <i>Ormocarpum</i> P.Beauv.			
275	<i>Ormocarpum cochinchinense</i> (Lour.) Merr.	S	Tropical Asia to southwestern Pacific	NS 4610 (KFRI); SVP 20915 (MBGH)
	68. <i>Ormosia</i> JACKS.			
276	<i>Ormosia travancorica</i> Bedd.	T	India (AN, KA, TN, KL; E)	NS 3764 (KFRI); JA 14438 (CALI); KV 66124 (MH).
	69. <i>Ougeinia</i> Benth.			
277	<i>Ougeinia oojeinensis</i> (Roxb.) Hochr. <i>Desmodium oojeinense</i> (Roxb.) H.Ohashi	T	India & Nepal	MRR 83642 (MH)
	70. <i>Paracalyx</i> Ali			
278	<i>Paracalyx scariosus</i> (Roxb.) Ali	S	Tropical Asia	JLE 18555; VSR 52378; KV 23011 (MH)
	71. <i>Parochetus</i> Buch.-Ham. ex D.Don			
279	<i>Parochetus communis</i> Buch.-Ham. ex D. Don	TH	Indo-Malesia	SVP 20040; SVP & APB 20285 (MBGH)
	72. <i>Phyllodium</i> Desv.			
280	<i>Phyllodium pulchellum</i> (L.) Desv. <i>Desmodium pulchellum</i> (L.) Benth.	S	Tropical & subtropical Asia to North Australia	SVP 20776; SVP & APB 20536 (MBGH)
	73. <i>Pleurolobus</i> J.St.-Hil.			
281	<i>Pleurolobus gangeticus</i> (L.) J.St.-Hil. ex H.Ohashi & K.Ohashi <i>Desmodium gangeticum</i> (L.) DC.	H	Paleotropics	KKN 6880 (KFRI); SVP 20001 (MBGH)
282	<i>Pleurolobus pryonii</i> (DC.)H.Ohashi & K.Ohashi <i>Desmodium pryonii</i> DC.	S	India & Sri Lanka	JA 17191 (CALI); APB 20900 (MBGH)
	74. <i>Polhillides</i> H.Ohashi & K.Ohashi			
283	<i>Polhillides velutina</i> (Willd.) H.Ohashi & K.Ohashi <i>Desmodium velutinum</i> (Willd.) DC.	S	Paleotropics	KKN 6896 (KFRI); SVP 20497 (MBGH)
	75. <i>Pongamia</i> Vent.			
284	<i>Pongamia pinnata</i> (L.) Pierre	T	Tropical Asia to southwestern Pacific	SCN 2568; SVP & APB 20784 (MBGH)
	76. <i>Pseudarthria</i> Wight & Arn.			
285	<i>Pseudarthria viscida</i> (L.) Wight & Arn.	S	Tropical Asia	NS 376 (CALI); SVP 20492 & 20785 (MBGH)
	77. <i>Pterocarpus</i> Jacq.			
286	<i>Pterocarpus dalbergioides</i> Roxb.	T	Andaman Islands	Vide Sasidharan (2011)
287	<i>Pterocarpus indicus</i> Willd.	T	Tropical Asia to western Pacific	SVP & APB 20704; SVP 20937 (MBGH)
288	<i>Pterocarpus marsupium</i> Roxb.	T	India, Nepal, Sri Lanka & Madagascar	RA 74351 (MH); SVP & APB 20239 (MBGH)
289	<i>Pterocarpus santalinus</i> L.f.	T	India (Peninsula)	MD 14548 (TBGT)
	78. <i>Pueraria</i> DC.			
290	<i>Pueraria phaseoloides</i> (Roxb.) Benth.	CS	Tropical Asia	SCN 1495 (CALI); SVP 20507 & 20786 (MBGH)
291	<i>Pueraria tuberosa</i> (Roxb. ex Willd.) DC.	CS	India, Nepal & Pakistan	SVP & APB 20706; SVP 20927 (MBGH)



	Name of taxa	Habit	Native to	Vouchers/ Reference
	79. <i>Pycnospora</i> R.Br. ex Wight & Arn.			
292	<i>Pycnospora lutescens</i> (Poir.) Schindl.	TH	Tropical Asia, Africa & Australia	SVP 20007; APB 20976 (MBGH)
	80. <i>Rhynchosia</i> Lour.			
293	<i>Rhynchosia acutissima</i> Thwaites	TH	India & Sri Lanka	MRR 696 (TBGT); KAA 2580 (CMPR)
294	<i>Rhynchosia cana</i> (Willd.) DC.	CS	India, Myanmar & Sri Lanka	KAA 2820 (CMPR); APB 20754 (MBGH)
295	<i>Rhynchosia capitata</i> (Heyne ex Roth) DC.	CS	India, Pakistan & Sri Lanka	JJ 17859 (MH)
296	<i>Rhynchosia courtallensis</i> Maesen	CS	India (AP, TN, KL; E)	PM 33797 (CALI); VDM 3467 (K)
297	<i>Rhynchosia densiflora</i> (Roth) DC.	CS	India, Myanmar, Sri Lanka & Tropical Africa	KAA 2582 (CMPR); SVP & APB 20965 (MBGH)
298	<i>Rhynchosia filipes</i> Benth.	TH	India (TN, KL; E)	Vide Sasidharan (2011)
299	<i>Rhynchosia hirta</i> (Andrews) Meikle & Verdc.	CS	India, Sri Lanka & Tropical Africa	SVP & APB 20615; APB 20825 (MBGH)
300	<i>Rhynchosia rufescens</i> (Willd.) DC.	S	Indo-Malesia	SVP & APB 00113; APB 20738 (MBGH)
301	<i>Rhynchosia suaveolens</i> (L.f.) DC.	S	India & Sri Lanka	KNS (1995); KAA 3944 (CMPR)
302	<i>Rhynchosia viscosa</i> (Roth) DC.	CS	Indian subcontinent, Africa & Madagascar	EV 27852; JJ 17867 (MH); APB 20831 (MBGH)
	81. <i>Rothia</i> Pers.			
303	<i>Rothia indica</i> (L.) Druce	H	Indo-Malesia and Australia	KR 74944 (CAL); SVP & APB 20586 (MBGH)
	82. <i>Sesbania</i> Scop.			
304	<i>Sesbania bispinosa</i> (Jacq.) W.Wight	S	Paleotropics	SCN 1985 (CALI); SVP & APB 20576 (MBGH)
305	<i>Sesbania javanica</i> Miq.	S	Tropical Asia	SVP 20653 & 10280 (MBGH)
306	<i>Sesbania sesban</i> (L.) Merr.	S	Tropical Asia & Africa	SVP & APB 20182 & 20577 (MBGH)
	83. <i>Shuteria</i> Wight & Arn.			
307	<i>Shuteria involucrata</i> (Wall.) Wight & Arn. <i>S. involucrata</i> (Wall.) Wight & Arn., var. <i>vestita</i> (Wight & Arn.) Ohashi	CS	Indo-Malesia	VSR 62101(CAL); SVP & APB 20027; APB 20764 (MBGH)
	84. <i>Smithia</i> Aiton			
308	<i>Smithia bigemina</i> Dalz.	H	India & Pakistan	NCN 69105 (MH); APB 20747 & 20872 (MBGH)
309	<i>Smithia blanda</i> Wall. ex Wight & Arn. <i>S. racemosa</i> B.Heyne ex Wight & Arn.	H	Indian subcontinent & China	JLE 26389 (MH); APB 20832; SVP & APB 20955 (MBGH)
310	<i>Smithia capitata</i> Dalzell	H	India (RJ, GJ, MP, MH, GA, KA, TN, KL; E)	JSG 15575 (MH); TS 10832 (CALI); APB 20860 (MBGH)
311	<i>Smithia conferta</i> Sm. var. <i>conferta</i>	H	Tropical Asia to Australia	RA 74417 (MH); APB 20935 (MBGH)
312	<i>Smithia conferta</i> Sm. var. <i>geminiflora</i> (Roth) T.Cooke	H	India (throughout)	SVP & APB 20235; APB 20842 (MBGH)
313	<i>Smithia gracilis</i> Benth.	H	India (KA, TN, KL; E)	AKP 56166(CALI); SVP & APB 20233 (MBGH)
314	<i>Smithia hirsuta</i> Dalzell	H	India (ML, MN, MH, AP, KA, TN, KL; E)	PB 90990 (MH); NM 10358 (TBGT); APB 20732 (MBGH)
315	<i>Smithia salsuginea</i> Hence	H	India, China & Myanmar	RA 74323 (CAL, MH); APB 20777 (MBGH)
316	<i>Smithia sensitiva</i> Aiton	H	Tropical Asia, Australia & Madagascar	CAB 9438 (MH); RA 64905 (CAL)
317	<i>Smithia setulosa</i> Dalzell	H	India (HU, MH, KA, TN, KL; E)	Stocks & Laws.n. (MH); NA 1337 (MH).
318	<i>Smithia venkobarowii</i> Gamble var. <i>glabra</i> Balan & Predeep	S	India (KL; E)	SVP 20448 (MBGH)
319	<i>Smithia venkobarowii</i> Gamble var. <i>venkobarowii</i>	S	India (KL; E)	SVP & APB 20555; APB 20717 (MBGH)
	85. <i>Sohmaea</i> H.Ohashi & K.Ohashi			
320	<i>Sohmaea laxiflora</i> (DC.) H.Ohashi & K.Ohashi <i>Desmodium laxiflorum</i> DC.	H	Tropical & subtropical Asia	PM 33038 (CALI); SVP 20912 (MBGH)
321	<i>Sohmaea zonata</i> (Miq.) H.Ohashi & K.Ohashi <i>Desmodium zonatum</i> Miq.	H	Tropical & subtropical Asia	AES 12893 (TBGT)

	Name of taxa	Habit	Native to	Vouchers/ Reference
	86. <i>Sophora</i> L.			
322	<i>Sophora velutina</i> Lindl.	S	Indian subcontinent, China & Philippines	JLE 19959 (MH); NS 5780 (CALI)
323	<i>Sophora wightii</i> Baker	S	Indian subcontinent, China to Jawa	Vide Sasidharan (2011)
	87. <i>Spatholobus</i> Hassk.			
324	<i>Spatholobus parviflorus</i> (DC.) Kuntze	CS	Indo-Malesia	SVP & APB 20654; APB 20045 & 20840 (MBGH)
325	<i>Spatholobus purpureus</i> Benth. ex Baker	CS	India (MH, KA, TN, KL; E)	SVP & APB 20767; APB 20818 (MBGH)
	88. <i>Stylosanthes</i> Sw.			
326	<i>Stylosanthes fruticosa</i> (Retz.) Alston	S	India, Sri Lanka, Africa & Madagascar	SVP 20640; SVP & APB 20571 (MBGH)
	89. <i>Tadehagi</i> H.ohashi			
327	<i>Tadehagi triquetra</i> (L.) H.Ohashi <i>Desmodium triquetrum</i> (L.) DC.	S	Tropical & subtropical Asia	APB 20844; SVP & APB 20777 (MBGH)
	90. <i>Tephrosia</i> Pers.			
328	<i>Tephrosia canarensis</i> J.R.Drum.	S	India (MH, KA, TN, KL; E)	KR 74792 (CAL)
329	<i>Tephrosia candida</i> DC.	S	Indian subcontinent	APB 16212 (MBGH)
330	<i>Tephrosia fusca</i> Wight & Arn.	S	India (TN, KL; E)	APB 16248 (MBGH)
331	<i>Tephrosia hookeriana</i> Wight & Arn.	S	India & Sri Lanka	SVP & APB 20240 & 20578 (MBGH)
332	<i>Tephrosia maxima</i> (L.) Pres.	S	India & Sri Lanka	SCN 1084 (CALI); SVP & APB 20595
333	<i>Tephrosia pulcherrima</i> (Baker) Wight ex Gamble	S	India & Sri Lanka	SVP 20069; APB 20748 & 20875
334	<i>Tephrosia pumila</i> (Lam.) Pers.	H	Paleotropics	SVP & APB 20583; APB 16212 (MBGH)
335	<i>Tephrosia purpurea</i> (L.) Pers.	S	Indo-Malesia, Africa to Southwest Pacific	SVP 10279; APB 20043 & 16288 (MBGH)
336	<i>Tephrosia senticosa</i> (L.) Pers.	S	India, Myanmar & Sri Lanka	PM 34340 (CALI)
337	<i>Tephrosia tinctoria</i> Pers.	S	India & Sri Lanka	SVP 20422; APB 16233 & 20828 (MBGH)
338	<i>Tephrosia travancorica</i> Thoth. & D.N.Das	S	India (KL; E)	Vide Thothathri & Das (1991)
339	<i>Tephrosia villosa</i> (L.) Pers	S	Southern Asia & Africa	SVP& APB 202462; APB 16284 (MBGH)
340	<i>Tephrosia wynnaadensis</i> J.R.Drumm.	S	India (KL; E)	CAB 5684 (K); NCN 64486 (MH)
	91. <i>Teramnus</i> P. Browne			
341	<i>Teramnus labialis</i> (L.f.) Spreng.	CS	Tropics & Subtropics	PM 33568 (CALI); SVP 20461 (MBGH)
342	<i>Teramnus mollis</i> Benth.	CS	Indian subcontinent & Indonesia	RA 69941 (MH); SVP 20918 (MBGH)
	92. <i>Uraria</i> Desv.			
343	<i>Uraria lagopodioides</i> (L.) DC.	H	Tropical Asia to Pacific	JA 12159 (CALI); SVP 20473 (MBGH)
344	<i>Uraria rufescens</i> (DC.) Schindl.	S	Indo-Malesia	SVP & APB 20706; APB 20845 (MBGH)
	93. <i>Vigna</i> Savi			
345	<i>Vigna aconitifolia</i> (Jacq.) Marechal	CS	Indo-Malesia to Australia	Vide Sasidharan (2011)
346	<i>Vigna dalzelliana</i> (Kuntze) Verdc.	TH	India, Pakistan & Indo-China	APB 20787, 20847 & 20848 (MBGH)
347	<i>Vigna mungo</i> (L.) Hepper	H	India	KR 48461(CAL); MCL 78 (RHK).
348	<i>Vigna pilosa</i> (Roxb.) Baker	TH	Southern & Southeastern Asia	VS 58260 (MH); APB 16266 (MBGH)
349	<i>Vigna radiata</i> (L.) R.Wilczek	TH	Tropical Asia to Australia	SVP 20097 (MBGH)
350	<i>Vigna sathishiana</i> Balan & Predeep	TH	India (KL; E)	APB 21004 (MH)
351	<i>Vigna sublobata</i> (Roxb.) Babu & S.K.Sharma	TH	Tropical Asia to Australia	SVP & APB 20088 & 20960 (MBGH)
352	<i>Vigna trilobata</i> (L.) Verdc.	TH	Indo-Malesia	TAR 8145 (CAL); SVP 20443 (MBGH)
353	<i>Vigna umbellata</i> (Thunb.) Ohwi & H.Ohashi	TH	Tropical & subtropical Asia	SVP & APB 20946; APB 20718 (MBGH)
354	<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>cylindrica</i> (L.) Verdc.	TH	Paleotropics	SVP & APB 20446 (MBGH)



	Name of taxa	Habit	Native to	Vouchers/ Reference
355	<i>Vigna vexillata</i> (L.) A.Rich. var. <i>angustifolia</i> (Schumach. & Thonn.) Baker	TH	Paleotropics	NCN 64437 (MH); AKP 56098; JA 17916 (CALI)
356	<i>Vigna vexillata</i> var. <i>vexillata</i>	TH	Paleotropics	Vide Sasidharan (2011)
357	<i>Vigna vexillata</i> var. <i>wightii</i> (Benth. ex Bedd.) Babu & S.K.Sharma	TH	India (KA, TN, KL; E)	SVP & APB 20946; APB 20751 (MBGH)
	94. <i>Wajira Thulin</i>			
358	<i>Wajira grahamiana</i> (Wight & Arn.) Thulin & Lavin <i>Vigna grahamiana</i> (Wight & Arn.) Verdc.	TH	India, Sri Lanka & Thailand	JLE 25773 (MH)
	95. <i>Zornia</i> J.F.Gmel.			
359	<i>Zornia diphylla</i> (L.) Pers. var. <i>diphylla</i>	H	Indian subcontinent to Indo-China	SVP 20478; SVP & APB 20590 (MBGH)
360	<i>Zornia diphylla</i> var. <i>quilonensis</i> (Ravi) Krishnaraj & N.Mohan	H	India & Sri Lanka	TAR 7970 (CAL); SVP 20004 (MBGH)
361	<i>Zornia gibbosa</i> Span.	H	Tropical & subtropical Asia	VSR 66998 (MH); SVP 20075 (MBGH)

Table 2. List of introduced and naturalized legumes documented from Kerala.

	Name of taxa	Habit	Native	Vouchers/ Reference
1	<i>Calapagonium mucunoides</i> Desv.	H	Tropical America	APB 16277 (MBGH); KAA 3678 (CMPR)
2	<i>Centrosema molle</i> Mart. ex Benth.	CS	America	JA 12401 (CALI); SVP & APB 20189 (MBGH)
3	<i>Clitoria ternatea</i> L. var. <i>ternatea</i>	TH	Tropical Africa & Arabian Peninsula	AA 64770; MM 52776 (MH); SVP 10043 (MBGH)
4	<i>Crotalaria incana</i> L. subsp. <i>incana</i>	S	America	NR 4050 (MH); SMT 702 (CALI)
5	<i>Crotalaria incana</i> L. subsp. <i>purpurascens</i> (Lam.) Milne-Redh.	S	Ethiopia & Senegal	Vide Jabbar et al. (2010)
6	<i>Crotalaria micans</i> Link	S	Tropical America	SVP 20413; APB 20897; SVP & APB 20769 (MBGH)
7	<i>Desmodium intortum</i> (Mill.) Urb.	H	America	APB 20642 & 20682; APB & HS 20690 (MH)
8	<i>Desmodium scorpiurus</i> (Sw.) Desv.	H	America	SVP 20540; APB 20685 (MBGH)
9	<i>Desmodium tortuosum</i> (Sw.) DC	H	Tropical America	SVP 20504 (MBGH)
10	<i>Desmodium uncinatum</i> (Jacq.) DC.	H	Tropical America	SVP 20031; SVP & APB 20275 (MBGH)
11	<i>Indigofera arrecta</i> Hochst. ex A.Rich.	S	Tropical Africa	Vide Sasidharan (2011)
12	<i>Macroptilium lathyroides</i> (L.) Urb.	TH	Tropical America	Vide Prabhukumar et al. (2016)
13	<i>Mimosa diplosticha</i> C.Wright <i>M. diplosticha</i> var. <i>inermis</i> (Adelb.) Veldkamp	CS	Tropical America	SVP 20508; APB 20794 (MBGH)
14	<i>Mimosa pudica</i> L.	H	South America	SVP 10040 (MBGH)
15	<i>Senna alata</i> (L.) Roxb.	S	Tropical America	SCN 1275 (CALI); SVP 20999 (MBGH)
16	<i>Senna didymobotrya</i> (Fresen.) H.S.Irwin & Barnebey	S	Tropical East Africa	SVP 10045 & 20030 (MBGH)
17	<i>Senna hirsuta</i> (L.) H.S.Irwin & Barnebey	S	Tropical America	SVP 10044; SVP & APB 20249 (MBGH)
18	<i>Senna occidentalis</i> (L.) Link	S	Tropical America	PM 28727 (CALI); SVP 13278 (MBGH)
19	<i>Senna septemtrionalis</i> (Viv.) H.S.Irwin & Barnebey var. <i>septemtrionalis</i>	S	Tropical Africa & Central America	SVP 20025; APB 20827 (MBGH)
20	<i>Senna sophera</i> (L.) Roxb.	S	Tropical America	VSR 58695 (CAL); APB 20887 (MBGH)
21	<i>Senna tora</i> (L.) Roxb.	H	South & Central America	APB 20759; SVP 20786
22	<i>Senna uniflora</i> (Mill.) H.S.Irwin & Barnebey	H	Tropical America	SVP 20804 (MBGH)
23	<i>Sesbania sericea</i> (Willd.) Link	S	Arabia & Tropical Africa	MM 120188 (MH)
24	<i>Sesbania speciosa</i> Taub. ex Engl.	S	Africa	Vide Krishnaraj et al. (2012)
25	<i>Stylosanthes guianensis</i> (Aubl.) Sw.	H	Tropical America	APB 20976 (MBGH)
26	<i>Stylosanthes hamata</i> (L.) Taub.	H	Tropical America	APB 20877 (MBGH)
27	<i>Trifolium repens</i> L.	TH	Europe	SVP 20026 & 20981 (MBGH)
28	<i>Vigna hosei</i> (Craib.) Backer	TH	Southeastern Asia & East Africa	Vide Krishnaraj et al. (2012)

Table 3. List of introduced legumes under cultivation in Kerala.

	Name of taxa	Habit	Native	Vouchers/ Reference
1	<i>Acacia auriculiformis</i> A.Cunn. ex Benth.	T	Tropical Australia	SVP 20033 & 20506 (MBGH)
2	<i>Acacia dealbata</i> Link	T	Tropical Australia	Vide Sasidharan (2011)
3	<i>Acacia decurrens</i> Willd.	T	Australia	Vide Sasidharan (2011)
4	<i>Acacia mangium</i> Willd.	T	Australia	SVP & APB 20789 (MBGH)
5	<i>Acacia mearnsii</i> De Wild.	T	Southeastern Australia	SVP & APB 00201 & 20790 (MBGH)
6	<i>Acacia melanoxylon</i> R.Br.	T	Southeastern Australia	APB 20787 (MBGH)
7	<i>Albizia saman</i> (Jacq.) F.Muell. <i>Samanea saman</i> (Jacq.) Merr.	T	Central & South America	NS 5448 (KFRI); APB 30320 (MBGH)
8	<i>Amherstia nobilis</i> Wall.	T	Myanmar to Thailand	APB 16399 (MBGH)
9	<i>Arachis glabrata</i> Benth.	H	South America	APB 16203 (MBGH)
10	<i>Arachis hypogea</i> L.	H	South America	SVP 20465 (MBGH)
11	<i>Arachis pintoi</i> Krapov. & W.C. Greg.	H	South America	APB 16218 (MBGH)
12	<i>Bauhinia galpinii</i> N.E.Br.	S	Africa	SVP 20693 (MBGH)
13	<i>Bauhinia tomentosa</i> L.	S	Africa to Arabian Peninsula	SCN 2057 (CALI); SVP & APB 30022 (MBGH)
14	<i>Brownea coccinea</i> Jacq.	T	South America	MCL 2233 (RHK); APB 16333 (MBGH)
15	<i>Brownea grandiceps</i> Jacq.	T	South America	APB 16301 (MBGH)
16	<i>Caesalpinia pulcherrima</i> (L.) Sw.	S	Tropical America	APB 20690 (MBGH)
17	<i>Calliandra brevipes</i> Benth.	S	South America	APB 16277 (MBGH)
18	<i>Calliandra calothrysus</i> Meisn.	S	Central America	SVP & APB 20090 (MBGH)
19	<i>Calliandra emarginata</i> Benth.	S	Tropical America	APB 16303 (MBGH)
20	<i>Calliandra haematocephala</i> Hassk.	S	Bolivia	APB 16301 (MBGH)
21	<i>Calliandra surinamensis</i> Benth.	S	Tropical America	SVP & APB 20091 (MBGH)
22	<i>Cassia grandis</i> L. f.	T	Tropical America	SVP 20909 (MBGH)
23	<i>Cassia javanica</i> L. subsp. <i>javanica</i>	T	Malesia to Papua	SVP & APB 20629 (MBGH)
24	<i>Castanospermum australe</i> A.Cunn. & C.Fraser	T	Australia	vide Sasidharan (2002)
25	<i>Christia vespertilionis</i> (L.f.) Bakh. F	CS	Southeastern Asia	MD 3393 (TBGT);
26	<i>Cicer arietinum</i> L.	H	Southeastern Asia	Vide Sasidharan (2011)
27	<i>Clitoria ternatea</i> Linn. var. <i>pleniflora</i> Fantz	TH	Neotropics	SVP 20799 (MBGH)
28	<i>Cytisus scoparius</i> (L.) Link	S	Europe	APB 20918 (MBGH)
29	<i>Delonix elata</i> (L.) Gamble	T	Africa	APB 20077 (MBGH)
30	<i>Delonix regia</i> (Bojer ex Hook.) Raf.	T	Madagascar	SCN 1784 (CALI); SVP 10277 (MBGH)
31	<i>Enterolobium cyclocarpum</i> (Jacq.) Griseb	T	South America	NS 5587 (KFRI); SVP & APB 20669 (MBGH)
32	<i>Erythrina x sykesii</i> Barneby & Krukoff	T	South America	Vide Sasidharan (2011)
33	<i>Gliricidia sepium</i> (Jacq.) Kunth ex Walp.	T	America	SVP & APB 20184 (MBGH)
34	<i>Hymenaea verrucosa</i> Gaertn.	T	South Africa	SVP 20930 (MBGH)
35	<i>Lespedeza bicolor</i> Turcz.	S	Japan	Vide Sasidharan (2011)
36	<i>Leucaena leucocephala</i> (Lam.) de Wit	T	Tropical America	MCL 421 (RHK); SVP 10278 (MBGH)
37	<i>Libidibia coriaria</i> (Jacq.) Schiltl. <i>Caesalpinia coriaria</i> (Jacq.) Willd.	T	Central America	SVP & APB 30302 (MBGH)
38	<i>Mucuna pruriens</i> (L.) DC var. <i>utilis</i> (Wall. ex Wight) L.H.Bailey	CS	Southeastern Asia	Vide Sasidharan (2011)
39	<i>Paraserianthes falcataria</i> (L.) I.C.Nielsen	T	New Guinea	SVP & APB 20079 (MBGH)
40	<i>Parkia biglandulosa</i> Wight & Arn.	T	Bangladesh & Myanmar	VTA 1089 (RHK)
41	<i>Peltophorum pterocarpum</i> (DC.) Backer ex K.Heyne	T	Indo-China to Australia	APB 20187; SVP 68482 (MBGH)
42	<i>Pericopsis mooniana</i> Thwaites	T	Sri Lanka, Indonesia, Malesia to New Guinea	PM 32349 (CALI)



	Name of taxa	Habit	Native	Vouchers/ Reference
43	<i>Phaseolus coccineus</i> L.	CS	Central America	Vide Sasidharan (2011)
44	<i>Phaseolus lunatus</i> L.	CS	South America	SVP & APB 20233 (MBGH)
45	<i>Phaseolus vulgaris</i> L.	TH	Central America	SVP & APB 20225 (MBGH)
46	<i>Phyllodium longipes</i> (Craib) Schindl. <i>Desmodium longipes</i> Craib	S	China to Indo-China	APB 15518 (MBGH)
47	<i>Pisum sativum</i> L.	CH	Central Asia & Europe	Vide Sasidharan (2011)
48	<i>Psophocarpus tetragonolobus</i> (L.) DC.	CS	New Guinea	VTA 596 (RHK); SVP & APB 20688 (MBGH)
49	<i>Pithecellobium dulce</i> (Roxb.) Benth.	T	Tropical America	SCN 2215 (CALI); SVP & APB 20260 (MBGH)
50	<i>Prosopis juliflora</i> (Sw.) DC.	T	America	VTA 69 (RHK); SVP & APB 20259 (MBGH)
51	<i>Senegalia mellifera</i> (Benth.) Seigler & Ebinger	T	Africa	NS 5586 (KFRI); SVP & APB 20587 (MBGH)
52	<i>Senna fruticosa</i> (Mill.) H.S.Irwin & Barneby	S	Tropical America	APB 16266 (MBGH)
53	<i>Senna polyphylla</i> (Jacq.) H.S.Irwin & Barneby	S	Caribbean Islands	Sasidharan (2011)
54	<i>Senna siamea</i> (Lam.) H.S.Irwin & Barneby	T	Southeastern Asia	PM 33213 (CALI); SVP 13287 (MBGH)
55	<i>Senna spectabilis</i> (DC.) H.S.Irwin & Barneby	T	Trop. America	SVP & APB 20564; SVP 20689
56	<i>Sesbania grandiflora</i> Poir.	T	Malesia to New Guinea	SVP 20812 (MBGH)
57	<i>Tamarindus indica</i> L.	T	Tropical Africa	SVP 13286 (MBGH)
58	<i>Vachellia farnesiana</i> (L.) Wight & Arn.	T	Tropical America	Sasidharan (2011)
59	<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i>	TH	Africa	SVP & APB 20916 (MBGH)

Habit (H—Herb | TH—Trailing/Twining Herb | S—Shrub | CS—Climbing Shrub | T—Tree) | **Native** (AP—Andhra Pradesh | AN—Andaman & Nicobar Islands | DL—Delhi | GA—Goa | GJ—Gujarat | KA—Karnataka | KL—Kerala | MH—Maharashtra | ML—Meghalaya | MN—Manipur | MP—Madhya Pradesh | OD—Odisha | RJ—Rajasthan | TN—Tamil Nadu; E—Endemic) | **Voucher specimens** (AAA—A.A. Ansari | AGP—A.G. Pandurangan | AKP—A.K. Pradeep | AM—A. Meebold | AN—A. Nazarudeen | APB—Anoop P. Balan | BDS—B.D. Sharma | CAB—C.A. Babu | CEC—C.E.C. Fischer | EV—E. Vajravelu | JA—Jomy Augustine | JJ—J. Joseph | JLE—J.L. Ellis | JSG—J.S. Gamble | KAA—K.A. Anilkumar, KKN—K.K.N. Nair | KMS—K.M. Sebastian | KNS—K.N. Subramanian | KR—K. Ramamurthy | KV—K. Vivekananthan | MAL—M.A. Lawson | MC—M.Chandrabose | MCL—M.C. Luckose | MD—Mathew Dan | MM—M. Mohanan | MRR—M. Rama Rao | NA—N. Anilkumar | NCN—N.C. Nair | NM—N. Mohanan | NR—N. Ravi | NS—N. Sasidharan | PB—P. Bhargavan | PM—Philip Mathew | RA—R. Ansari, RG—R. Gopalan | RHB—R.H. Beddome | SCN—Sunil C.N. | SMT—Sibichen M. Thomas | SVP—S.V. Predeep | TAR—T. A. Rao | TS—T. Sabu | VDM—Van der Maesen | VGA—V.G. Augusthy, VN—V. Narayanaswami | VSR—V.S. Ramachandran | VTA—V.T. Antony).

About one-third of the legumes in Kerala have known medicinal properties (Kirtikar & Basu 1918; Ambasta 1986; Parrota 2001). These include *Abrus precatorius*, *Butea monosperma*, *Clitoria ternatea*, *Codariocalyx motorius*, *Cullen corylifolia*, *Indigofera tinctoria*, *Kingiodendron pinnatum*, *Mucuna pruriens*, *Pongamia pinnata*, *Pseudarthria viscosa*, and *Saraca asoca*. *Centrosema molle*, *Desmodium intortum*, *Leucaena leucocephala*, *Macrotyloma uniflorum*, *Sesbania sesban*, *Stylosanthes guianensis*, and *S. hamata* are the forage legumes found in the state. *Calopogonium mucunoides*, *Mucuna bracteata*, and *Pueraria phaseoloides* are grown as cover crops in rubber plantations.

Ornamental legumes

Amherstia nobilis, *Arachis glabrata*, *A. pintoi*, *Brownea coccinea*, *B. grandiceps*, *Bauhinia* spp., *Caesalpinia pulcherrima*, *Cassia* spp., *Clitoria ternatea*, and *Senna* spp. are widely grown in Kerala for ornamental purposes. *Albizia saman*, *Castanospermum australe*, *Cassia javanica*, *Delonix elata*, *D. regia*, *Libidibia coriaria*, *Millettia peguensis*, *Parkia biglandulosa*, and

Peltopherorum pterocarpum are the common avenue trees in the state.

Invasive legumes

Exotic legumes like *Centrosema molle*, *Mimosa diplocracha*, *Senna hirsuta*, *S. occidentalis*, *S. sophera*, *S. tora*, among others have extensively invaded the degraded forest areas and open wastelands throughout the state and are causing severe threat to the native flora. Several forage legumes introduced have escaped from farms and have become invasive in the plains especially by the road-sides during the last two decades. *Desmodium scorpiurus*, *D. tortuosum*, *Stylosanthes guianensis*, and *S. hamata* have become a serious threat to indigenous plants in the plains. *Desmodium intortum* and *D. uncinatum* are emerging as rapidly multiplying weeds in the high ranges in Idukki District. *Senna uniflora* is a recently reported weed in the plains of central Kerala.

Excluded legumes

Five legumes previously reported from the state of

Kerala (Saidharan 2004; Nayar et al. 2006) have been excluded in this checklist due to the various reasons given below:

1. *Desmodium caudatum* (Thunb.) DC.: reported from Malappuram District (Sivarajan & Mathew 1997) based on Philip Mathew 33038 (CALI) was a misidentification of *Sohmaea laxiflora* (DC.) H.Ohashi & K.Ohashi

2. *Humboldtia laurifolia* Vahl: Robert Wight's collection of '*H. laurifolia*' from 'Malabar' region of India 180 years ago was found to be a misidentification of *H. vahliana* Wight (Balan et al. 2016).

3. *Indigofera barbata* Gamble: No specimens or record of collection from Kerala found.

4. *Rhynchosia rothii* Benth. ex Aitch.: Reported from Silent valley National Park in Palakkad District (Manilal 1988) based on T. Sabu 10897 (CALI) was a misidentification of *Neonotonia wightii* (Arn.) J.A.Lackey.

5. *Vigna bourneae* Gamble: No specimens or record of collection from Kerala found.

Notes

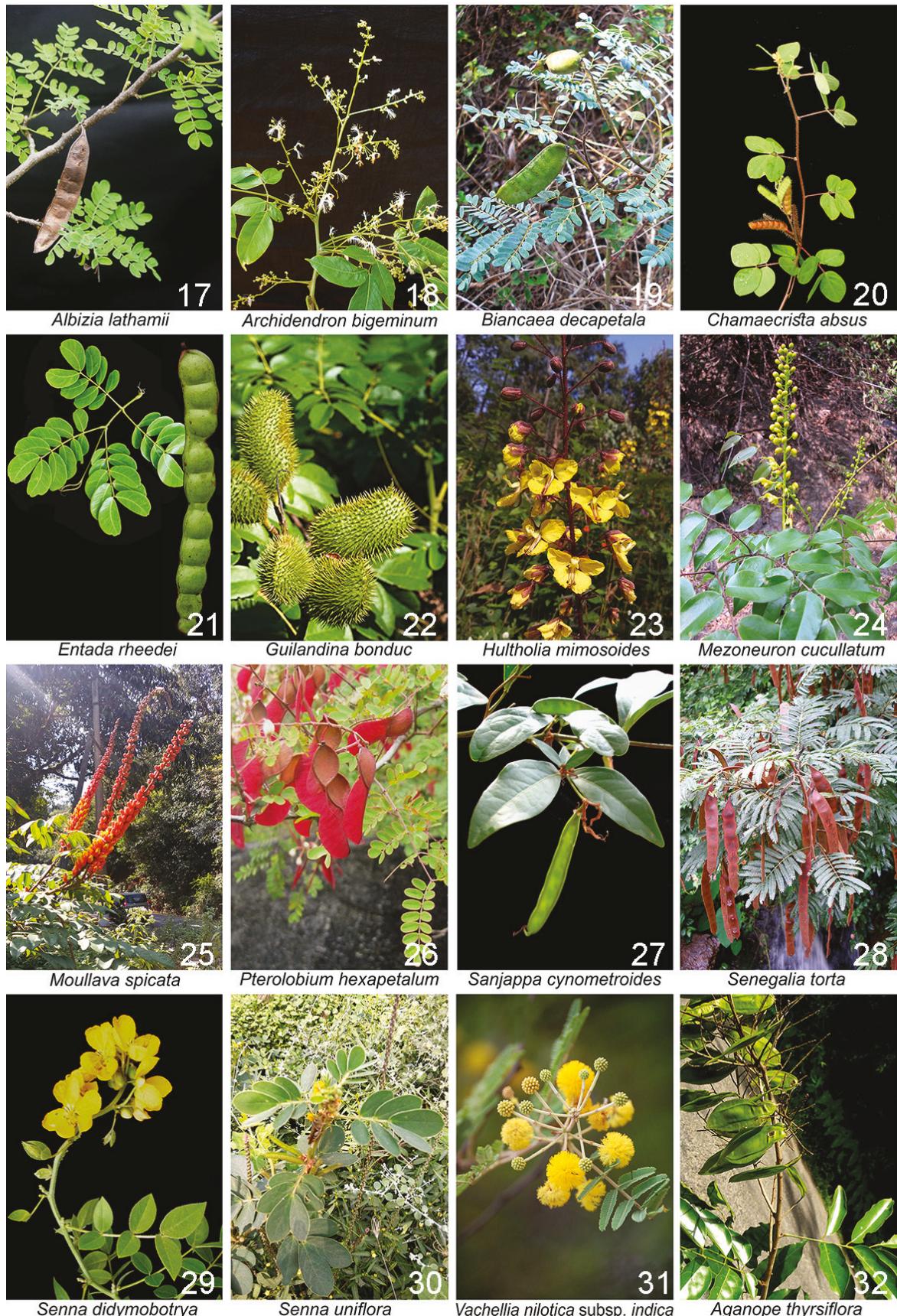
Sibichen & Nampy (2007) described *Crotalaria kurisumalayana*, a taxon closely allied to *C. multiflora* Benth. from the Vagamon Hills of central Kerala. *C. multiflora* is an Indo-Sri Lankan species distributed in the grasslands and open hill slopes of higher elevations. The authors distinguished *C. kurisumalayana* from *C. multiflora*, mainly based on the shape of leaves, lax racemes, and sericeous ferruginous pods. Since these characters are highly overlapping, Krishnaraj & Mohanan (2012) reduced *C. kurisumalayana* to a variety of *C. multiflora* and identified the presence or absence of purple striations as the main distinguishing characters. Field studies, however, revealed that this purple striation is also not consistent and therefore the trinomial is reduced to a synonym of *C. multiflora*.

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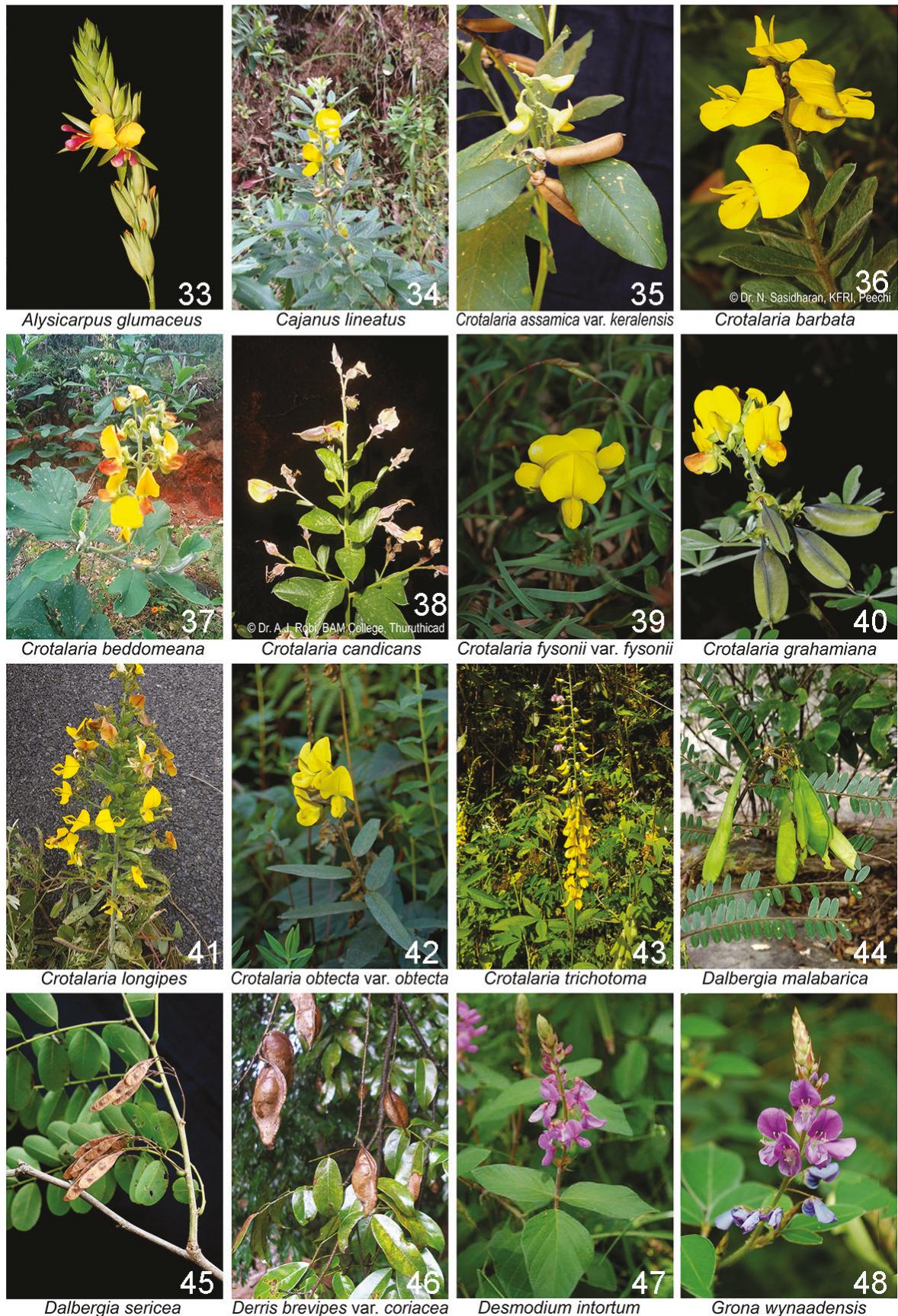
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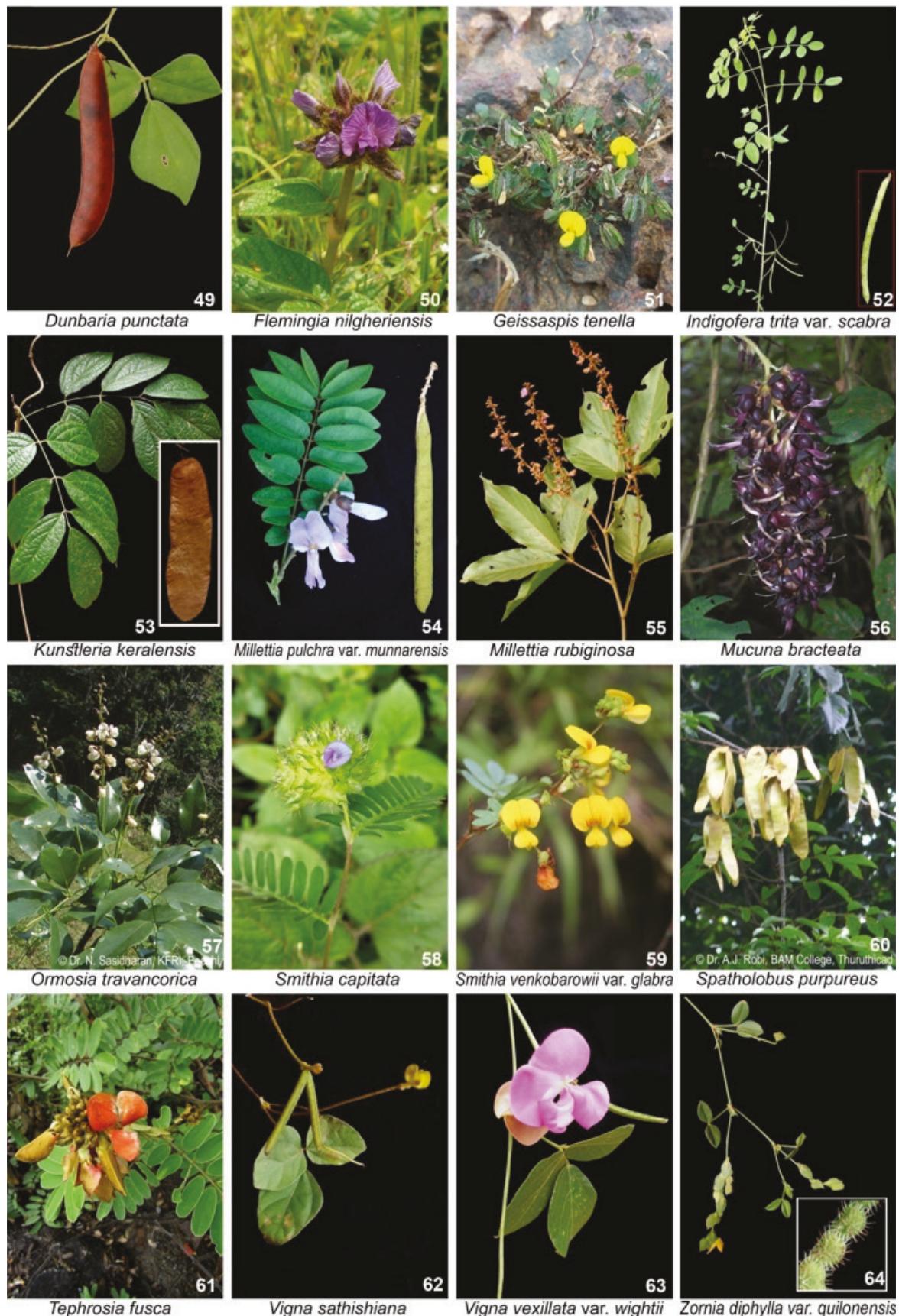
Images 1–16. Endemic or lesser known legumes of India, found in Kerala. © Authors, otherwise it is mentioned in the images.



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