TREE DIVERSITY OF INDIAN HIMALAYAN REGION

G.B. Pant National Institute of Himalayan Environment
(An autonomous Institute of Ministry of Environment, Forest & Climate Change, GoI)
Kosi – Katarmal, Almora – 263 643

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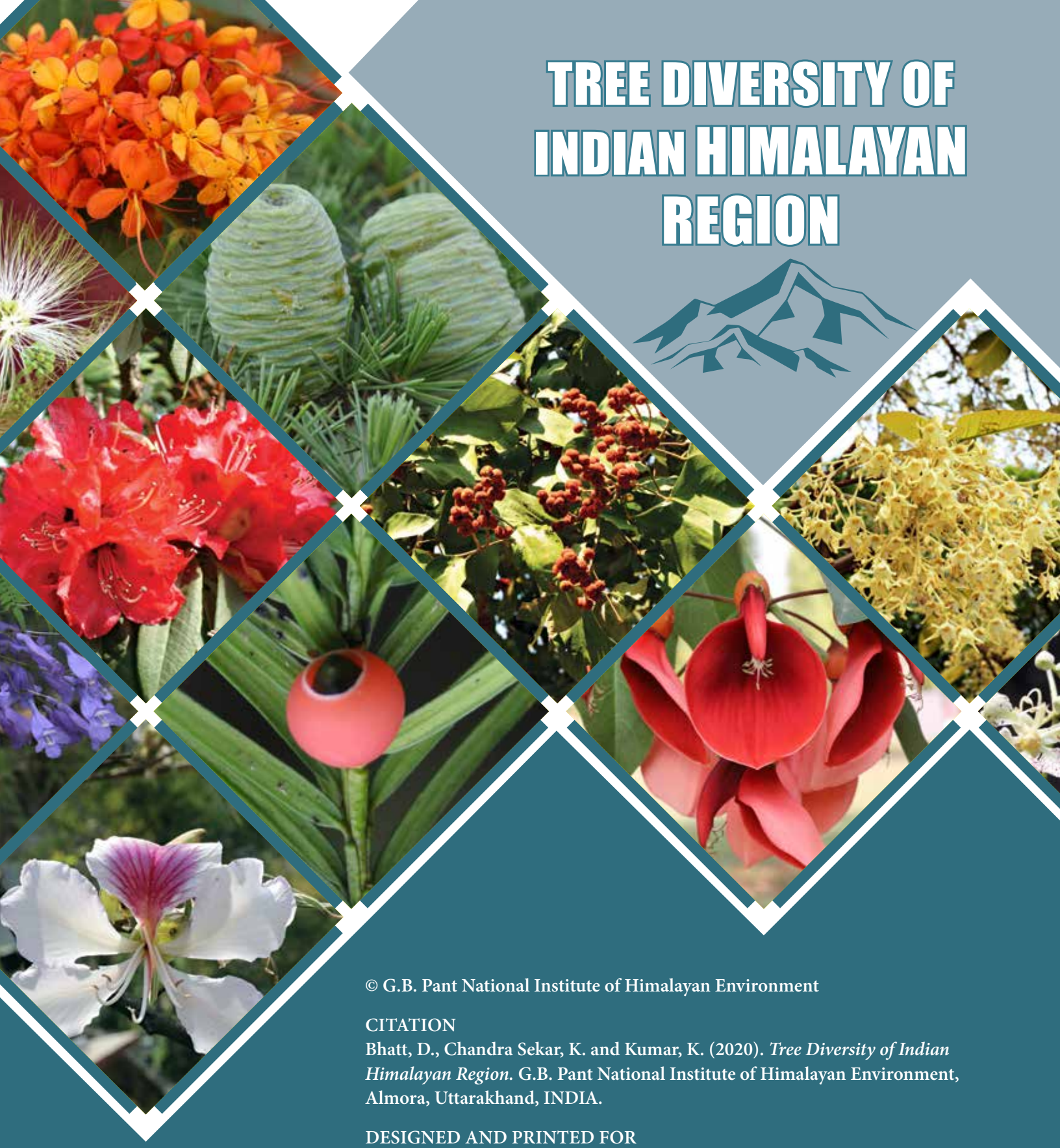

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Tree Diversity of Indian Himalayan Region

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Front Cover: *Quercus semecarpifolia* dominated forest in Chaudans Valley, Dharchula, Uttarakhand. Inset (left to right): *Grevillea robusta, Cerasus cerasoides, Bauhinia retusa*

Back Cover (top to bottom): *Lagerstroemia indica, Pittosporum eriocarpum, Butea monosperma, Erythrina suberosa*

Acknowledgement

The book has been compiled under Himalayan Research Associate Fellowship Scheme of Mountain Division of the Institute. We thank to Dr. R.S. Rawal, Director, GBP-NIHE for providing facilities and encouragement. His inputs for analysis part were vary valuable. While compiling the inventory of the Indian Himalayan Trees, information has been collected from various sources (literature, herbarium, botanical garden, etc.). We acknowledge all such sources and support received from different Institutions. The support received from Dr. K.V. Satish, Ms. Puja Bhojak, Ms. Poonam Mehta and Ms. Monica Bisht is highly acknowledged. The guidance and support from the Ministry of Environment, Forest & Climate Change, Government of India remained a constant source of inspiration all through this work. Finally, we convey our gratitude to Dr. D.K. Singh, Former Director, Botanical Survey of India and Prof. R.D. Gaur, Former Dean, H.N.B. Garhwal University for their valuable and erudite inputs during the review of the book.

अरविंद कुमार नौटियाल
Arvind Kumar Nautiyal

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FOREWORD

The Himalaya, a recognized global biodiversity hotspot, harbors rich and unique elements of biodiversity which provide enormous ecosystem services for sustenance of upland and downstream communities. The Himalaya is often described as a forested landscape wherein trees are most conspicuous component. Availability and dominance of tree species defines the structure and functioning of different forest types. However, as for other life-forms, comprehensive details of diversity, availability and status of trees, across Himalayan arc are not available. Therefore, development of conservation and sustainable use practices for diverse floristic elements of Himalayan forests and other vegetation types remain challenging.

Realizing this lack of authentic database on diversity and abundance of plant species across life-forms in Indian Himalayan Region (IHR), G.B. Pant National Institute of Himalayan Environment (NIHE) has initiated systematic documentation of plant resources under different life-forms. In this series, documents on tree and shrub diversity of Western Himalaya have been prepared and published in recent years (2016 and 2019, respectively). These documents have proved useful for diverse stakeholders and demand is being raised to extend the scope of such databases for entire IHR.

Considering this demand, the Institute has come up with a detailed documentation of Tree Diversity of IHR under the 'Himalayan Research Associate' program of the Mountain Division. It is satisfying to note that Institute has succeeded in compiling information on 1,466 trees in IHR [1,386 angiosperms (1,301 wild, 85 cultivated) and 80 gymnosperms (21 wild, 59 cultivated)]. The document also provides analyses of tree diversity distribution patterns across IHR States and altitude range. The State of Arunachal Pradesh [853 angiosperms (791 wild and 62 cultivated), 54 gymnosperms (18 wild and 36 cultivated)] followed by Meghalaya [874 angiosperms (810 wild and 64 cultivated), 16 gymnosperms (4 wild and 12 cultivated)] and the most tree rich States in IHR. The patterns of altitude distribution and seasonality of flowering and fruiting, along with endemism, threat assessment and use values further adds to the usefulness of this book for wide range of stakeholders.

The book in particular will be extremely useful for master's students, research scholars, forest managers and nature lovers, who are interested in furthering their knowledge on Himalayan plants. The Institute, especially team of authors, deserves appreciation for continuing with systematic documentation of information on Himalayan biodiversity. I am confident that the readers will enjoy information rich contents of this book. Constructive suggestions from the users of this book will help the Institute in improving future documentations.

(Arvind Kumar Nautiyal)

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PREFACE

Trees are most conspicuous features of forest systems, which broadly define structure and function of these ecosystems. Therefore, database of trees at local to global scale has great value. However, such authentic databases are most often missing at all levels. The variations in numbers reported are huge, and thereby causing difficulty in planning for management and effective use. Until recently, when Botanical Gardens Conservation International (BGCI), based on a comprehensive analysis of published data sources and expert input, came up with the number of known tree species in the world as 60,065, the estimates were ranging from 45,000 to 100,000. Analysis of this tree database of the world has not only provided information about tree species rich families and countries but also about geographical distribution of endemic species. This analysis, among others, leads to identification of the conservation priorities and status of the world's tree species. However, realizing that the conservation and management actions are realized at national, sub-national, and regional levels, there is a need to have similar authentic databases at different spatial scales.

The Indian Himalayan Region (IHR) is often referred as a forested landscape, so assessment of diversity of tree species in this region assumes high significance. Unfortunately, no attempt has been made to prepare a comprehensive database of tree species of IHR. As a result, evidence based conservation/management planning w.r.t. tree species and forests has not been achieved. Considering this gap, and realizing the wider need, G.B. Pant National Institute of Himalayan Environment (NIHE) undertook the task of preparing authentic inventory of trees of IHR, and analyse the same for depicting patterns across IHR States and altitude range.

In the above context, it is a matter of great satisfaction that for first time a comprehensive database of tree species (both in wild and cultivation) in IHR has been developed and broadly analysed. This book 'Tree Diversity of Indian Himalayan Region' is an outcome of the analysis. The document not only provides authentic list of 1466 tree species found in IHR, but also gives information on their habit, distribution (altitude, IHR states, and global), seasonality of phenophases, and uses. The Information on endemic and threatened species has also been included. Since all these datasets have been analysed for IHR States as well as the altitude belts, information included in this document becomes equally important for researchers, managers, conservation biologists, and policy planners. In particular, assessment of species richness, habit (deciduous/evergreen) across altitude belts in different States provides a good base for effective conservation and management planning in respective states. Similarly, occurrence of endemic and threatened species gives an immediate opportunity for species specific research and conservation actions. Considering this, the document can be utilized for various purposes by different stakeholders.

In view of the above, I congratulate the authors for their sincere and hard work. It is very well understood that there is always a scope for improvement, therefore Institute shall greatly appreciate inputs from the readers to improve the contents in tree species database of IHR.

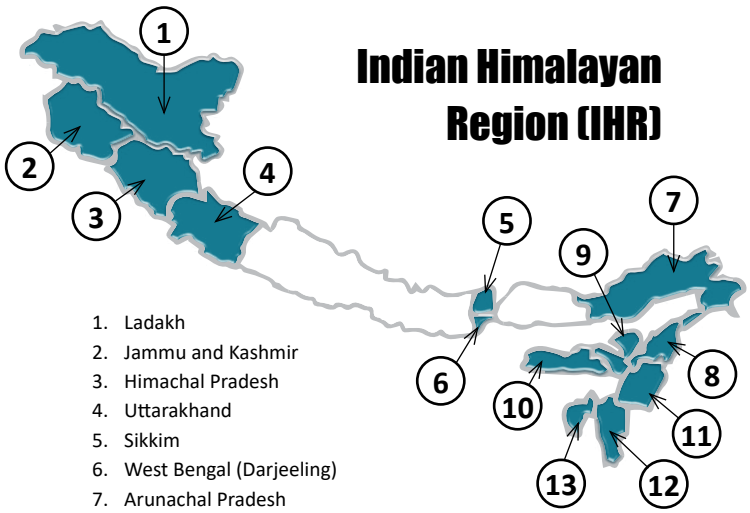
(R S Rawal)
Director

CONTENTS

INTRODUCTION

The Himalaya, one amongst the youngest mountain chains in the world, is considered among the most delicate and fragile regions, which is still evolving. Owing to its geodynamic conditions, even small tampering with the geological equilibrium is expected to initiate environmental changes that may eventually increase to alarming proportion (Valdiya, 1993, 1997, 2001). This region also represents one of the Global Biodiversity Hotspot- the Himalayan Biodiversity Hotspot (HBH).

The Indian Himalayan Region - IHR, occupies the northern boundary (North west to North east) of the country and stretches over 2,500 km from Jammu and Kashmir in the west to Arunachal Pradesh in the east. The region covers partially/ fully eleven mountainous states and two Union Territories of India [Jammu and Kashmir (UT), Ladakh (UT), Himachal Pradesh, Uttarakhand, Sikkim, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Tripura and hill districts of Assam and West Bengal] (Figure:1.1). IHR has a total geographical area of approximately 5,31,250 km². The region is characterized with snow clad peaks, dense forests, glaciers, high altitude wetlands and alpine pasture lands (Valdiya, 1998). With this extensive geographical coverage IHR represents a large part of Himalayan Biodiversity Hotspot. Richness, representativeness and uniqueness of biodiversity components at all levels (genes, species and ecosystems) in the region is well recognized (Rawal et al., 2013). Among others, IHR is well known for diversity of forest types across its horizontal and vertical extents.



1. Ladakh
2. Jammu and Kashmir
3. Himachal Pradesh
4. Uttarakhand
5. Sikkim
6. West Bengal (Darjeeling)
7. Arunachal Pradesh
8. Nagaland
9. Assam (Karbi Anglong & North Cachar)
10. Meghalaya
11. Manipur
12. Mizoram
13. Tripura

Figure 1.1. IHR- Sketch map (Not to scale)

1.1. Forests and forest cover status in IHR

The Himalaya is often referred as forested landscape. Forests being an integral part of life, support 70% of global terrestrial biodiversity and provide innumerable services i.e. regulate water cycles, maintain soil quality and reduce the risk of natural disasters such as floods and landslides, as well as directly and indirectly support the livelihoods of billions of people on the globe (MEA, 2005; Eliasch, 2008).

The evidences suggest that extent and diversity of Himalayan forests differ significantly from both tropical and temperate forests of the world (Zobel and Singh, 1997). At the beginning of Cenozoic orogeny, the Himalayan ranges were dominantly tropical wet evergreen forests, which were completely replaced later by the modern flora through the drastic changes during the Miocene orogeny. The diversity and richness of the forests and their flora in region is influenced by various bio-geographic regions like Irano-Turanian, Mediterranean, Indo-Chinese, Indian, Malaysia, Eastern-Asiatic, Circumboreal, Australian, Amazonian, Brazilian, Andean, North American and others (Brandis, 1906; Chatterjee, 1939; Samant and Dhar, 1997). In the western Himalayan region (west of 77°E long.), Euro-Mediterranean affinities are well represented while Chinese and Malasian affinities are evident in the eastern Himalayan region (east of 84°E long.). The major forest types of IHR are described below:

1.1.1. Forest types in IHR

In the Himalayan region, eleven forest formation types have been described (Singh and Singh, 1987) based on composition of trees as well as elevation, as detailed below:

(i). Submontane broad leaf ombrophilous forest:
Submontane broad leaf Ombrophilous Forests are restrained to the eastern Himalaya (below 1000 m), which is broadly similar to tropical rain forest. These forests consist high species richness, higher evergreen elements and multistratal structure. *Dipterocarpus, Kayea, Ailanthus, Echinocarpus, Michelia, Terminalia, Stereospermum, Syzygium, Artocarpus* are the key genera of this forest type.

(ii). Submontane seasonal broadleaf forest:
Forest type is primarily distributed in eastern and central parts having *Shorea robusta* as the dominant and most extensively distributed species. However, other dominant species are *Shorea assamica, Schima wallichii, Stereospermum personatum, Sterculia spp., Lagerstroemia parviflora, Terminalia spp., Machilus villosa, and Anogeissus latifolia.* This forest type extends from eastern Himalaya to western Himalaya, excepting Kashmir.

(iii). Submontane broadleaf summer deciduous forest:
These forests are distributed well on nutrient-poor and dry

sites, but sometimes also in moist areas of western Himalaya on skeletal soil. *Albizia procera, Haldina cordifolia, Terminalia spp., Toona ciliata, and Anogeissus latifolia* form the canopy while Mallotus philippensis and Ougeinia sp. are found in the understory.

(iv). Low-montane needle-leaf forest with concentrated summer leaf drop:
This forest type is found throughout the entire Himalaya, with the exception of Kashmir, between altitudes of 1000 and 1800 m. *Pinus kesiya* in eastern Himalaya and *P. roxburghii* in central and Western Himalaya are the key species of the forests.

(v). Low-montane sclerophyllous evergreen broadleaf forest:
These are comparatively drier forests, with less monsoonal effects and sparsely distributed in Western part of Himalaya. The dominant genus are *Olea, Fraxinus, Aesculus,* etc. are the dominant species occurring in the forests.

(vi). Mid- montane broadleaf ombrophilous forest:
This forest type is mostly confined to eastern Himalaya between 1500 and 3000 m. The dominant genera are *Quercus, Castanopsis, Machilus, Magnolia, Acer,* etc. and members of Lauraceae. At higher elevations (2400-2700 m), *Quercus pachyphylla, Q. lamellosa, Schima wallichii, Engelhardtia spicata, Alnus nepalensis and Cinnamomum spp.* are prevailing.

(vii). Low to mid-montane hemi-sclerophyllous broadleaf forest with concentrated summer leaf drop:
Between 1500 and 3000 m., this forest type is well distributed in central and western Himalaya. *Quercus leucotrichophora, Q. lanuginosa, Q. floribunda, Q. semecarpifolia* with *Rhododendron arboreum, Lyonia ovalifolia,* and *Ilex dipyrena* are prevailing in this forests type.

(viii). Mid-montane needle-leaf evergreen Forest:
This forest formation is scattered in parts of east Himalayan moist temperate forests as well as of the west Himalayan moist temperate forests. Dominant species are mostly needle-leaved, viz., *Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana* (spruce) are in the Western part, and *Abies delavayi, Tsuga dumosa* in the eastern part.

(ix). Mid-montane winter deciduous forest:
These forests are mainly occupying in moist places in the region assigned to mid-montane hemi-sclerophyllous and needle leaf evergreen forests. The dominant species are *Aesculus indica, Acer spp., Carpinus viminea, Ulmus wallichiana, Betula alnoides, Pyrus lanata, Juglans regia and Fraxinus micrantha.*

(x). High-montane mixed stunted forest:
At elevation of above 3000 m., theses forests are free from the monsoonal effects, and the vegetation mainly depend

Table 1.1. Forest cover (% of the geographical area) in the IHR

		2019 assessment					
States/ UT	Geographical area (km²)	VDF	MDF	OF	Total forest	Percent of geographical area	Change in forest cover w.r.t. ISFR 2017
Arunachal Pradesh	83,743	21,095	30,557	15,036	66,688	79.63	-276
Himachal Pradesh	55,673	3,113	7,126	5,195	15434	27.72	334
Jammu & Kashmir	53258	4,203	7,952	8,967	21,122	39.66	348
Ladakh	1,69,421*	78	660	1,752	2,490	1.47	23
Manipur	22,327	905	6,386	9,556	16,847	75.46	-499
Meghalaya	22,429	489	9,267	7,363	17,119	76.33	-27
Mizoram	21,081	157	5,801	12,048	18,006	85.41	-180
Nagaland	16,579	1,273	4,534	6,679	12,486	75.31	-3
Sikkim	7,096	1,102	1,552	688	3,342	47.1	-2
Tripura	10,486	654	5,236	1,836	7726	73.68	0
Uttarakhand	53,483	5,047	12,805	6,451	24303	45.44	8
Assam Hills	19,295	843	5,649	6,515	13,007	67.41	-96
West Bengal Hills	3,149	721	654	993	2,368	75.2	3

Source: FSI-2019 [*Area of shape file provided by Survey of India (December, 2019). Notified geographical area from SOI awaited]

on snowmelt for their water requirement. *Betula utilis, Abies spectabilis, Q. semecarpifolia, Pinus wallichiana* are common species in the central and western Himalaya. In the eastern Himalaya, the condition are somewhat moist and *Abies densa, Juniperus spp.* are the key species.

(xi). Very high-montane scrub (Above 3500 m and up to 4900 m):
These forests are occurring at the elevation of above 3500 m and up to 4900 m and virtually limited trees are found in the region and most of the growth forms are shrubs and herbs. Apart from the dominant shrub species, Betula utilis, Juniperus spp. etc are found in the region.

1.1.2. Forest cover in IHR

The forest forms major land use / land cover category in IHR (Joshi and Negi, 2011). Forest cover varies in each state or hilly region considerably from 2,368 km² (West Bengal Hills) to 66,688 Km² (Arunachal Pradesh) (FSI, 2019; Table 1.1). As per the available literature, IHR harbors about 8,000 species of Angiosperms (40% endemic), 44 species of Gymnosperms (15.9% endemic), 600 species of Pteridophytes (25% endemic), 1,737 species of Bryophytes (32.5 % endemic), 1,159 species of Lichens (11.2 % endemic) and 6,900 species of Fungi (27.4 % endemic) (Singh and Hajra, 1996).

India holds 10th position in the world, for its Forest and tree cover with having 23.34% of its total geographic area. The IHR contributes nearly 28% of India's total forest cover (FSI, 2019).

1.2. Trees: the key components of the forest

The forest is a complex ecosystem consisting mainly of trees that buffer the earth and support a myriad of life forms and make a forest rich and healthy. Trees are recognized as most precious gift of nature and savior of earth. They provide various economic benefits and numerous environmental services.

As per the definition given by FAO (1998, 2004), a tree has mainly three characteristics:
– It is a woody perennial plant,
– with a single main stem or in case of coppice several stems, and
– has a more or less definite crown.

There are various definitions of a tree as per the tree types and growth habits, which have evolved variously across different plant families. According to IUCN's Global Tree Specialist Group (GTSG): *tree is a woody plant with usually a single stem growing to a height of at least two meters, or if multi-stemmed, then at least one vertical stem five centimeters in diameter at breast height.*

In the present study, tree is considered as a woody perennial plant having a single pole with minimum height of 5 meters (Delijska and Manoilov, 2004). Cycads, tree ferns, tree-like Poaceae, Bromeliaceae, and Musaceae have been excluded from the inventory. Efforts have been made to include the smaller trees by incorporating country level and regional tree lists in addition to World Checklist of Selected Plant Families (WCSP). Some plant species have variable life-forms, but all species that are recorded growing naturally as a tree somewhere have been included.

1.3. Importance of trees:

Tree and forests support the living beings variously for sustaining the life and provide various services i.e. provisioning services, regulating services, supporting services and cultural services etc. From an economic perspective these values are described as below:
(a) Direct use values: Consumptive and non-consumptive uses of the forests/trees, e.g. timber, fuel, bush meat, food and medicinal plants, extraction of genetic material and tourism.
(b) Indirect use values: Include various forest services such as protection of watersheds and the storage of carbon.
(c) Option and existence values: Values reflecting a willingness to pay to conserve the option of making use of the forest even though no current use is made of it.

As such, trees are invariably important as savior of our environment and provider of services for human well being. Trees as major component of forest ecosystem play a crucial role in earth's life support system, which includes global carbon and hydrological cycle.

Realizing the overall importance of trees, and realizing that effective forest conservation requires species-specific action. Global Tree Search Database *(http:/ www. Bgci.org/ globaltreesearch.php)* has been prepared by Botanical Garden Conservation International (BGCI) reporting total number of trees currently known to science as 60,065 which represents 20% of all angiosperms and gymnosperms (Beech et al., 2017). This work at global level has prompted researchers to come-up with the authentic list of tree species in different countries and/or the regions with larger ecological and economic significance. The present work, therefore, is an attempt to describe tree species diversity of Indian Himalayan Region so as to support conservation and development initiatives in this region.

METHODOLOGY

The aim of the work is to prepare inventory and analyze the patterns of tree diversity in Indian Himalayan Region. Various floras, e-floras and other published and unpublished literature has been consulted for compilation of this inventory (Appendix 1). The inventory has been categorized as, (a). wild trees of angiosperms, (b) wild trees of gymnosperms, (c) cultivated trees of angiosperms, and (d) cultivated trees of gymnosperms. The families of Angiosperms and Gymnosperms are arranged alphabetically following Hutchinson (1973), Cronquist (1981) and APG III (2009) classifications.

In each family, the genera are arranged alphabetically followed by species, subspecies and variety with standard author abbreviation following Tropicos *(http://www.tropicos.org).* Each species/ intraspecific taxon, sub species and variety are also arranged alphabetically. Efforts have been made to provide authentic information on each taxa with basionym (if any). Each table also contains information regarding states of occurrence, altitudinal range (meters), leaf persistence (evergreen/ deciduous), flowering and fruiting seasons (months), flower colour, use values and the worldwide distribution.

All the datasets have been analyzed and enumerated for easy understanding. As the compilation was completed in 2019, before declaration of Ladakh as UT, in the present study, Jammu and Kashmir was considered as one state, including Ladakh (UT) and Jammu & Kashmir (UT). For enumerating the diversity patterns along the altitudinal range, eight altitude belts (<500, 501-1000, 1001-1500, 1501-2000, 2001-2500, 2501-3000, 3001-3500, 3501-4000, >4000) were considered. An analysis of IHR trees has been presented for the leaf persistence habits (evergreen/ deciduous) along the altitudinal range as well as across states. Tree species similarities among the various IHR states have been calculated.

Analysis of functional features such as seasonality of flowering and fruiting has been conducted across six division of the year prevernal (in early spring), vernal (in late spring), aestival (in early summer), serotinal (in late summer), autumnal (in the autumn) and hibernal (in the winter) as well along the altitude belts. Use values of the tree species has been assessed under twelve major use categories. Using available literature, endemic and threatened tree species of the IHR have been identified and analyzed for distribution pattern. Outcomes of all analysis across various parameters have been depicted with appropriate graphics and tables. Each cited reference has been listed at end of the text.

Pinus roxburghii dominated forest (foreground) in snow-capped mountains of Kumaun, Uttarakhand

ENUMERATION AND ANALYSIS

A total of 1,466 trees in IHR have been documented (1322, 90.2% wild; 144, 9.8% cultivated). Among these, 1,386 taxa are angiosperms (1,301 wild, 85 cultivated) and 80 taxa (21 wild, 59 cultivated) are gymnosperms. Across states, the maximum tree diversity exists in the State of Arunachal Pradesh [853 angiosperms (791 wild and 62 cultivated), 54 gymnosperms (18 wild and 36 cultivated)] followed by Meghalaya [874 angiosperms (810 wild and 64 cultivated), 16 gymnosperms (4 wild and 12 cultivated) (Annexure-I to IV)]. The reported number of trees in different IHR states has been provided in Table 3.1.

Analysis was also made to check the tree diversity across the families. Lauraceae (131) among angiosperm and Pinaceae (12) in gymnosperm are the most tree rich families in the IHR among wild trees. Among cultivated trees, Myrtaceae (13) in angiosperms and Pinaceae (19) in gymnosperms are the most species rich families. The detailed analysis of tree rich families in various IHR states is represented in Table 3.2 and 3.3. Further, tree species rich genera in IHR were also analyzed. *Ficus* with 40 tree species was found the most tree species rich genera followed by *Diospyros* (29 species), *Litsea* (28 species), *Quercus* (23 species), *Syzygium* (22 species), *Acer* (21 species), *Persea* and *Symplocos* (20 species),

Table 3.1. Tree diversity in IHR states

	IHR	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS
Wild angiosperms	1301	224	273	322	633	652	791	666	692	634	449	810	635
Cultivated angiosperms	85	54	59	65	69	54	62	48	65	58	38	64	49
Wild gymnosperms	21	16	16	16	17	11	18	14	16	4	3	4	5
Cultivated gymnosperms	59	33	33	46	33	53	36	44	32	11	6	12	27
Total	1466	327	381	449	752	770	907	772	805	707	496	890	716

IHR-Indian Himalayan Region; JK-Jammu & Kashmir; HP-Himachal Pradesh; UK-Uttarakhand; SK-Sikkim; WB-West Bengal Hills; AR-Arunachal Pradesh; NL-Nagaland; MN-Manipur; MZ-Mizoram; TR-Tripura; ML-Meghalaya; AS-Assam Hills

Across IHR, the wild angiosperms tree taxa are represented by 1,242 species, 16 subspecies and 43 varieties; while the cultivated ones comprise of 84 species and 1 variety. Wild gymnosperms are represented by 21 species and cultivated by 59 species.

Elaeocarpus and *Cinnamomum* (17 species), Lindera (16 species) and Rhododendron (15 species). The most tree rich genera are frequently occurring in temperate forest zone.

Table 3.2. Tree dominant families (angiosperm) in different states of IHR

Region/ States	Wild	Cultivated
Angiosperms		
IHR	Lauraceae (131), Fabaceae (90), Rosaceae (54), Fagaceae (51), Moraceae (51)	Myrtaceae (13), Rutaceae (10), Rosaceae (9)
JK	Fabaceae (27), Moraceae (14), Anacardiaceae (13), Sapindaceae (12), Oleaceae (9)	Rosaceae (9), Myrtaceae, Rutaceae (6), Fabaceae (5)
HP	Fabaceae (29), Moraceae (17), Sapindaceae (15), Anacardiaceae, Lauraceae (13), Fagaceae (11)	Myrtaceae, Rosaceae (9), Rutaceae (7), Fabaceae (5)
UK	Fabaceae (30), Moraceae (25), Lauraceae (19), Sapindaceae (16), Malvaceae (14)	Myrtaceae, Rosaceae (9), Rutaceae (7), Fabaceae, Magnoliaceae (5)
SK	Lauraceae (52), Fabaceae (39), Moraceae, Rosaceae (36), Rubiaceae (27), Fagaceae (25)	Myrtaceae (10), Rosaceae (9), Magnoliaceae, Rutaceae (7)
WB	Lauraceae, Fabaceae (45), Moraceae (38), Rosaceae (37), Myrtaceae (28), Fagaceae (27)	Rosaceae (8), Rutaceae (6), Fabaceae (5)

AR	Lauraceae (75), Fabaceae (61), Moraceae (36), Rosaceae (33), Fagaceae, Rubiaceae (29)	Myrtaceae (9), Rosaceae (7), Rutaceae (6)
NL	Lauraceae (46), Myrtaceae (28), Rosaceae, Rubiaceae, Moraceae (27), Sapindaceae (21)	Rutaceae (8), Rosaceae (7), Fabaceae, Myrtaceae (4)
MN	Fabaceae (53), Lauraceae (48), Moraceae (32), Rubiaceae (28), Rosaceae (27), Fagaceae (26)	Myrtaceae, Rosaceae (9), Rutaceae (7), Fabaceae (5)
MZ	Fabaceae (50), Lauraceae (48), Moraceae (32), Rubiaceae (30), Fagaceae (23), Rosaceae (20)	Rutaceae (8), Magnoliaceae, Rosaceae (6), Fabaceae (5)
TR	Fabaceae (45), Moraceae (25), Rubiaceae (24), Euphorbiaceae (23), Lauraceae (23), Ebenaceae (15)	Myrtaceae (7), Fabaceae (4), Anacardiaceae (3)
ML	Lauraceae (76), Fabaceae (59), Moraceae (40), Fagaceae, Myrtaceae, Rosaceae (30)	Rutaceae (9), Magnoliaceae, Myrtaceae (7), Rosaceae (6), Fabaceae (5)
AS	Fabaceae, Lauraceae (51), Moraceae, Rubiaceae (31), Rosaceae (27), Myrtaceae (21), Euphorbiaceae (20)	Rutaceae (8), Rosaceae (6), Fabaceae (5)

3.1. Distribution of tree diversity across altitude range

Analysis of species diversity shows maximum tree diversity at 501-1000 m altitude band, while a gradual decrease was apparent in higher altitude bands. The patterns were invariably similar in different states (Table 3.4). Out of total 1,301 wild angiosperm trees, over 67% are represented in 501-1000 m altitude range. While gymnosperms show their maximum diversity in the attitude range of 2501-3000 m (95%). The following tables (Table 3.4, 3.5) are representing trees concentration with their number as well percent values at different altitude bands in various Himalayan states.

Table 3.3. Tree dominant families (gymnosperm) in different states of IHR

Region/ States	Wild	Cultivated
Gymnosperms		
IHR	Pinaceae (12), Cupressaceae (7), Taxaceae (2)	Pinaceae (19), Cupressaceae (15), Podocarpaceae (7)
JK	Pinaceae (8), Cupressaceae (7), Taxaceae (1)	Cupressaceae (14), Araucariaceae, Podocarpaceae, Taxodiaceae (4), Pinaceae (3)
HP	Pinaceae (8), Cupressaceae (7), Taxaceae (1)	Cupressaceae (14), Araucariaceae, Podocarpaceae, Taxodiaceae (4), Pinaceae (3)
UK	Pinaceae (8), Cupressaceae (7), Taxaceae (1)	Pinaceae (16), Cupressaceae (14), Araucariaceae, Podocarpaceae, Taxodiaceae (4)
SK	Pinaceae (10), Cupressaceae (6), Taxaceae (1)	Cupressaceae, Pinaceae (13), Araucariaceae (2)
WB	Pinaceae (7), Cupressaceae (3), Taxaceae (1)	Pinaceae (16), Cupressaceae (14), Podocarpaceae (6)
AR	Pinaceae (10), Cupressaceae (6), Taxaceae (2)	Pinaceae (13), Cupressaceae (9), Cycadaceae (4)
NL	Pinaceae (8), Cupressaceae (5), Taxaceae (1)	Cupressaceae (12), Pinaceae (11), Podocarpaceae (7)
MN	Pinaceae (9), Cupressaceae (6), Taxaceae (1)	Pinaceae (12), Cupressaceae (7), Cycadaceae, Podocarpaceae (4)
MZ	Cupressaceae, Pinaceae (2)	Pinaceae (4), Cycadaceae (3), Podocarpaceae (1)
TR	Cupressaceae (2)	Cupressaceae, Cycadaceae (2), Pinaceae, Podocarpaceae (1)
ML	Cupressaceae, Pinaceae (2)	Pinaceae (4), Cupressaceae, Cycadaceae (3), Taxodiaceae (1)
AS	Pinaceae (3), Cupressaceae (2)	Pinaceae (10), Podocarpaceae (5), Cupressaceae, Cycadaceae (3)

3.2. Patterns of Evergreen and Deciduous trees

While analyzing the evergreen/ deciduous elements of IHR, prominence of evergreen tree species (55.9%) is apparent (Table 3.6). However, on east to west transition, a gradual decline of evergreenness and increase of deciduous species diversity is characteristic (Table 3.6). Minimum proportion of evergreen tree species was therefore recorded for Jammu and Kashmir (28.57%), the extreme north- western state of IHR. Analysis of evergreen/ deciduous angiosperm tree flora of IHR states across the altitude range is presented in the Table 3.7. Cultivated angiosperm trees (Table 3.8) also presents the same trends of evergreen/ deciduousness while the entire wild gymnosperms tree flora falls in evergreen category. There were three deciduous *(Ginkgo biloba,*

Table 3.4. Wild trees (angiosperm) richness at different altitudinal ranges

	<500 (%)	501-1000 (%)	1001-1500 (%)	1501-2000 (%)	2001-2500 (%)	2501-3000 (%)	3001-3500 (%)	3501-4000 (%)	>4000 (%)
IHR	476 (36.59)	886 (68.10)	811 (62.34)	558 (42.89)	335 (25.75)	166 (12.76)	48 (3.69)	13 (1.00)	1 (0.08)
JK	93 (41.52)	143 (63.84)	132 (58.93)	121 (54.02)	82 (36.61)	48 (21.43)	16 (7.14)	3 (1.34)	1 (0.45)
HP	102 (37.36)	174 (63.74)	169 61.90)	152 (55.68)	101 (37.00)	57 (20.88)	18 (6.59)	3 (1.10)	1 (0.37)
UK	131 (40.68)	215 (66.77)	199 61.80)	167 (51.86)	108 (33.54)	60 (18.63)	20 (6.21)	5 (1.55)	1 (0.31)
SK	245 (38.70)	406 (64.14)	385 (60.82)	297 (46.92)	189 (29.86)	102 (16.11)	36 (5.69)	10 (1.58)	1 (0.16)
WB	248 (38.04)	426 (65.34)	414 (63.50)	303 (46.47)	188 (28.83)	105 (16.10)	39 (5.98)	11 (1.69)	
AR	314 (39.70)	542 (68.52)	480 (60.68)	352 (44.50)	203 (25.66)	98 (12.38)	33 (4.17)	8 (1.01)	1 (0.13)
NL	269 (40.39)	462 (69.37)	407 61.11)	292 (43.84)	170 (25.53)	86 (12.91)	26 (3.90)	5 (0.75)	
MN	279 (40.32)	461 (66.62)	409 (59.10)	307 (44.36)	194 (28.03)	94 (13.58)			
MZ	263 (41.48)	469 (73.97)	419 (66.09)	280 (44.16)					
TR	263 (58.57)	443 (98.66)							
ML	330 (40.74)	574 (70.86)	525 64.81)	370 (45.68)					
AS	270 (42.52)	467 (73.54)	410 (64.57)	271 (42.68)					

Table 3.5. Wild trees (gymnosperm) richness at different altitudinal ranges

Region/ States	501-1000 (%)	1001-1500 (%)	1501-2000 (%)	2001-2500 (%)	2501-3000 (%)	3001-3500 (%)	3501-4000 (%)	>4000 (%)
IHR	3 (14.29)	3 (14.29)	6 (28.57)	16 (76.19)	20 (95.24)	10 (47.62)	2 (9.52)	1 (4.76)
JK	3 (18.75)	3 (18.75)	4 (25.00)	11 (68.75)	15 (93.75)	7 (43.75)	1 (6.25)	1 (6.25)
HP	3 (18.75)	3 (18.75)	4 (25.00)	11 (68.75)	15 (93.75)	7 (43.75)	1 (6.25)	1 (6.25)
UK	3 (18.75)	3 (18.75)	4 (25.00)	11 (68.75)	16 (93.75)	8 (43.75)	1 (6.25)	1 (6.25)
SK	3 (17.65)	3 (17.65)	4 (23.53)	11 (64.71)	16 (94.12)	9 (52.94)	2 (11.76)	1 (5.88)
WB	3 (27.27)	3 (27.27)	4 (36.36)	9 (81.82)	10 (90.91)	4 (36.36)		
AR	3 (16.67)	3 (16.67)	4 (22.22)	12 (66.67)	17 (94.44)	9 (50.00)	2 (11.11)	1 (5.56)
NL	3 (21.43)	3 (21.43)	4 (28.57)	9 (64.29)	12 (85.71)	6 (42.86)		
MN	3 (18.75)	3 (18.75)	4 (25.00)	11 (68.75)	15 (93.75)	7 (43.75)		
MZ	3 (75.00)	3 (75.00)	4 (100.00)	4 (100.00)				
TR	3 (100.00)	3 (100.00)						
ML	3 (75.00)	3 (75.00)	4 (100.00)	4 (100.00)				
AS	3 (60.00)	3 (60.00)	4 (80.00)	5 (100.00)				

Table 3.7. Diversity of Deciduous/ Evergreen trees (angiosperms) along the altitudinal range

Region/ States	<500		501-1000		1001-1500		1501-2000		2501-3000				3001-3500		3501-4000		>4000	
	D	E	D	E	D	E	D	E	D	E	D	E	D	E	D	E	D	E
IHR	245 (51.47)	231 (48.52)	398 (44.92)	488 (55.07)	335 (41.27)	476 (58.77)	247 (44.17)	311 (55.83)	155 (46.27)	180 (53.73)	83 (50)	83 (50)	30 (62.50)	18 (37.50)	6 (46.15)	7 (53.85)	1 (50)	0
JK	70 (75.27)	23 (24.73)	101 (70.63)	42 (29.37)	91 (68.92)	41 (31.06)	84 (69.42)	37 (30.57)	57 (69.51)	25 (30.48)	34 (70.83)	14 (29.17)	12 (75)	4 (25)	1 (33.33)	2 (66.67)	1 (100)	
HP	78 (76.47)	24 (23.52)	120 (69.96)	54 (30.64)	112 (66.27)	57 (33.72)	105 (69.07)	47 (30.92)	69 (68.31)	32 (31.68)	38 (66.67)	19 (33.33)	14 (77.76)	4 (33.36)	1 (33.33)	2 (66.67)	1 (100)	0
UK	90 (68.70)	41 (31.29)	133 (61.86)	82 (38.14)	116 (58.29)	83 (41.71)	101 (60.47)	66 (39.52)	65 (60.18)	43 (39.81)	37 (61.66)	23 (38.33)	15 (75)	5 (25)	2 (40)	3 (60)	1 (100)	0
SK	125 (51.02)	120 (48.98)	183 (45.07)	223 (54.93)	169 (43.90)	216 (56.10)	142 (47.81)	155 (52.19)	92 (48.68)	97 (51.32)	53 (51.96)	49 (48.04)	23 (63.89)	13 (36.11)	4 (40)	6 (60)	1 (100)	0
WB	119 (47.98)	129 (52.02)	186 (43.66)	240 (56.34)	173 (41.79)	241 (58.21)	138 (45.54)	165 (54.46)	90 (47.87)	98 (52.13)	56 (53.33)	49 (46.67)	24 (61.54)	15 (38.46)	5 (45.45)	6 (54.55)		0
AR	158 (50.32)	156 (49.68)	242 (44.55)	300 (55.45)	196 (40.71)	284 (59.29)	151 (42.74)	201 (57.26)	90 (44.33)	113 (55.67)	48 (48.98)	50 (51.02)	18 (54.55)	15 (45.45)	4 (50)	4 (50)	1 (100)	
NL	136 (50.56)	133 (49.44)	206 (44.59)	256 (55.41)	170 (41.77)	237 (58.23)	127 (43.49)	165 (56.51)	80 (47.06)	90 (52.94)	46 (53.49)	40 (46.51)	18 (69.23)	8 (30.77)	3 (60)	2 (40)		0
MN	147 (52.68)	132 (47.31)	214 (46.42)	247 (53.58)	169 (41.32)	240 (58.67)	130 (42.34)	177 (57.65)	88 (45.36)	106 (54.63)	45 (47.87)	50 (53.19)						
MZ	130 (49.43)	133 (50.57)	199 (42.43)	270 (57.56)	162 (38.66)	257 (61.33)	114 (40.71)	166 (59.28)										
TR	132 (50.19)	131 (49.81)	195 (44.02)	248 (55.98)														
ML	161 (48.78)	169 (51.21)	240 (41.81)	334 (58.18)	202 (38.3)	323 (61.7)	159 (42.97)	211 (57.02)										
AS	141 (52.22)	129 (47.78)	213 (45.61)	254 (54.39)	174 (42.44)	236 (57.56)	118 (43.54)	153 (56.46)										

(values in parenthesis – percentage)

Metasequoia glyptostroboides and *Taxodium mucronatum)* and 60 evergreen tree flora among cultivated gymnosperms.

3.3. Seasonality of trees in IHR

Outcome of analysis for broad phonological events (flowering and fruiting) of wild angiospermic taxa, across six active seasons [Prevernal (Feb- Mar), Vernal (Apr- May), Aestival (Jun- Jul), Serotinal (Aug- Sep), Autumn (Oct- Nov), Hibernal (Dec- Jan)] are presented in Table 3.13. As apparent,

Table 3.6. Diversity of Deciduous/ Evergreen wild (angiosperm) trees in IHR

Region/ States	Total	Deciduous (%)	Evergreen (%)
IHR	1301	574 (44.12)	727 (55.88)
JK	224	160 (71.43)	64 (28.57)
HP	273	190 (69.60)	83 (30.40)
UK	322	201 (62.42)	121 (37.58)
SK	633	295 46.60)	338 (53.40)
WB	652	294 (45.09)	358 (54.91)
AR	791	343 (43.36)	448 (56.64)
NL	666	294 (44.14)	372 (55.86)
MN	692	309 (44.65)	383 (55.35)
MZ	634	269 (42.43)	365 (57.57)
TR	449	199 (44.32)	250 (55.68)
ML	810	338 (41.73)	472 (58.27)
AS	635	286 (45.04)	349 (54.96)

Table 3.8. Diversity of Deciduous/ Evergreen cultivated (angiosperm) trees in IHR

Region/ States	Total	Deciduous (%)	Evergreen (%)
IHR	85	37 (43.53)	48 (56.47)
JK	54	26 (48.15)	28 (51.85)
HP	59	26 (44.07)	33 (55.93)
UK	65	30 (46.15)	35 (53.85)
SK	69	35 (50.72)	34 (49.28)
WB	54	30 (55.56)	24 (44.44)
AR	62	30 (48.39)	32 (51.61)
NL	48	23 (47.92)	25 (52.08)
MN	65	32 (49.23)	33 (50.77)
MZ	58	28 (48.28)	30 (51.72)
TR	38	17 (44.74)	21 (55.26)
ML	64	31 (48.44)	33 (51.56)
AS	49	25 (51.02)	24 (48.98)

Vernal (74.10%) followed by Aestival (44.50%) are the peak flowering seasons in IHR. However maximum fruiting taxa were also Vernal (74.25%) and Aestival (44.20%).

An analysis of phenological events was also done across the altitudinal belts in IHR. In all the six seasons, maximum flowering as well fruiting taxa were occurred in the altitudinal belt 501-1000 followed by 1001-1500, <500, 1501-2000, 2001-2500, 2501-3000, 3001-3500 and 3501-4000 (Table 3.14, 3.15).

Table 3.9. Similarity in wild angiosperms

States	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS
JK	100	95.09	97.32	73.66	73.66	74.55	59.38	70.09	59.38	45.09	67.86	64.29
HP		100	91.58	67.03	67.77	69.23	52.75	65.20	52.01	39.56	63.00	58.97
UK			100	70.19	67.08	70.81	55.28	66.46	55.59	40.68	66.15	62.11
SK				100	75.67	74.57	62.09	72.35	58.93	40.13	75.99	62.40
WB					100	74.08	63.34	71.63	62.42	41.41	74.54	63.19
AR						100	61.39	71.39	60.63	41.01	72.66	53.92
NL							100	68.17	63.06	46.10	75.98	59.46
MN								100	66.14	45.44	73.81	56.01
MZ									100	50.79	77.13	66.25
TR										100	79.06	68.82
ML											100	64.20
AS												100

Table 3.10. Similarity in wild gymnosperms

States	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS
JK	100	100	100	93.75	68.75	87.50	87.50	93.75	25.00	18.75	31.25	25.00
HP		100	100	93.75	68.75	87.50	87.50	93.75	25.00	18.75	31.25	25.00
UK			100	93.75	68.75	87.50	87.50	93.75	25.00	18.75	31.25	25.00
SK				100	64.71	94.12	82.35	88.24	23.53	17.65	29.41	23.53
WB					100	90.91	100	100	36.36	27.27	45.45	36.36
AR						100	72.22	77.78	22.22	16.67	22.22	22.22
NL							100	100	28.57	21.43	35.71	28.57
MN								100	25.00	18.75	31.25	25.00
MZ									100	75.00	100	100
TR										100	100	100
ML											100	100
AS												100

Table 3.11. Similarity in cultivated angiosperms

States	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS
JK	100	98.15	98.15	90.74	77.78	79.63	70.37	83.33	72.22	50.00	79.63	70.37
HP		100	93.22	91.53	76.27	79.66	69.49	83.05	71.19	47.46	77.97	69.49
UK			100	89.23	73.85	80.00	69.23	81.54	7.08	49.23	7.85	66.15
SK				100	73.91	82.61	62.32	84.06	71.01	4.35	81.16	72.31
WB					100	92.59	79.63	88.89	79.63	51.85	88.89	79.63
AR						100	69.35	87.10	75.81	48.39	85.48	69.35
NL							100	83.33	77.08	50.00	87.50	83.33
MN								100	76.92	52.31	7.69	66.15
MZ									100	55.17	86.21	68.97
TR										100	78.95	68.42
ML											100	71.88
AS												100

Table 3.12. Similarity in cultivated gymnosperms

States	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS
JK	100	100	100	60.61	100	60.61	78.79	48.48	9.09	6.06	12.12	42.42
HP		100	100	60.61	100	60.61	78.79	48.48	9.09	6.06	12.12	42.42
UK			100	58.70	95.65	60.87	71.74	52.17	10.87	4.35	13.04	43.48
SK				100	87.88	72.73	78.79	69.70	15.15	9.09	24.24	45.45
WB					100	64.15	75.47	56.60	20.75	11.32	22.64	50.94
AR						100	83.33	72.22	25.00	13.89	30.56	55.56
NL							100	61.36	22.73	13.64	25.00	45.45
MN								100	31.25	18.75	31.25	59.38
MZ									100	54.55	72.73	90.91
TR										100	83.33	83.33
ML											100	66.67
AS												100

3.4. Use value of IHR trees

Trees serve variously for sustenance of human being. Out of total 1,466 trees, 280 trees are recorded as fodder, 277 trees are used for medicinal purposes, 208 edible, 167 fuel and 137 are utilized for timber.

3.5. Endemic trees in IHR

The plant species, which are confined to a defined geographic unit such as an island/nation or habitat type and are not found elsewhere, are known as endemic. Endemism refers to the restricted distribution of a species in a particular biogeographical province or on a single island or mountain top or even a single rock outcrop (Huston 1994). Physical,

Table 3.13. Seasonality of trees in IHR

Season	Flowering taxa	Fruiting taxa
Prevernal (Feb- Mar)	529 (40.66%)	545 (41.89%)
Vernal (Apr- May)	964 (74.10%)	966 (74.25%)
Aestival (Jun- Jul)	579 (44.50%)	575 (44.20%)
Serotinal (Aug- Sep)	279 (21.45%)	268 (20.60%)
Autumn (Oct- Nov)	180 (13.84%)	170 (13.07%)
Hibernal (Dec- Jan)	172 (13.22%)	175 (13.45%)

Table 3.14. Flowering pattern of wild angiosperms across the altitudinal belts

Season	<500	501-1000	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	>4000
Prevernal (Feb- Mar)	231 (43.67)	397 (75.05)	325 (61.44)	208 (39.32)	110 (20.79)	43 (8.13)	7 (1.32)	1 (0.19)	
Vernal (Apr- May)	357 (37.03)	651 (67.53)	602 (62.45)	424 (43.98)	259 (26.87)	133 (13.80)	42 (4.36)	12 (1.24)	
Aestival (Jun- Jul)	199 (34.37)	374 (64.59)	366 (63.21)	255 (44.04)	154 (26.60)	78 (13.47)	27 (4.66)	10 (1.73)	1 (0.17)
Serotinal (Aug- Sep)	99 (35.48)	198 (70.91)	197 (70.61)	133 (47.67)	73 (26.16)	31 (11.11)	6 (2.15)	4 (5.73)	
Autumn (Oct- Nov)	64 (35.56)	130 (72.22)	116 (64.44)	78 (73.89)	43 (23.89)	17 (9.44)	1 (0.56)		
Hibernal (Dec- Jan)	76 (44.19)	133 (77.33)	105 (61.05)	64 (37.21)	30 (17.44)	13 (7.56)	1 (0.58)		

Table 3.15. Fruiting pattern of wild angiosperms across the altitudinal belts

Season	<500	501-1000	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	>4000
Prevernal (Feb- Mar)	236 (43.30)	409 (75.05)	334 (61.28)	213 (39.08)	110 (20.18)	43 (7.89)	7 (1.28)	1 (0.18)	
Vernal (Apr- May)	360 (37.27)	650 (67.29)	602 (62.32)	418 (43.27)	256 (26.50)	135 (13.98)	41 (4.24)	12 (1.24)	
Aestival (Jun- Jul)	199 (34.61)	371 (64.52)	379 (65.91)	275 (47.83)	154 (26.78)	80 (13.91)	26 (4.52)	9 (1.57)	1 (0.17)
Serotinal (Aug- Sep)	96 (35.82)	190 (70.90)	195 (72.76)	124 (46.27)	70 (26.12)	28 (10.45)	6 (2.24)	4 (1.49)	1 (0.37)
Autumn (Oct- Nov)	60 (35.29)	121 (71.18)	110 (64.71)	74 (43.53)	43 (25.29)	18 (10.59)	2 (1.18)		
Hibernal (Dec- Jan)	77 (44.0)	136 (77.71)	109 (62.29)	68 (38.86)	32 (18.29)	13 (7.43)	2 (1.14)		

climatic, and biological factors can contribute to determine endemism of plants. Endemism characterizes the history of past vegetation, identify taxonomic relationships, floristic regions, determine optimal design of conservation units and prioritize conservation strategies (Richardson, 1978; Street, 1978; Dhar & Kachroo, 1983; Gentry, 1986; Takhtajan, 1986; Dhar, 2002).

India is one of the mega biodiversity countries of the world, with huge diversity in topographical, climatic and habitats. A total of 18,043 species, 296 subspecies, 2,215 varieties, 33 sub varieties and 70 forma of angiosperms, 75 species of gymnosperms and 1,268 species of pteridophytes are reported in India (Singh and Dash, 2018; Singh et al., 2015), which amounts to over 11% of the total recorded plant species in the world.

Among the total tree taxa occurring in IHR, 99 (98 Angiosperms, 1 Gymnosperm) taxa (90 species, 1 subspecies, 8 varieties) are endemic to Indian Himalayan Region accounting around seven percent of their total tree diversity (Table 3.16). Sterculia khasiana King is considered as extinct by IUCN, thus not listed in the table. Family Lauraceae (42) shows the maximum number of endemic trees followed by Fabaceae (07), Pandanaceae, Rosaceae (04 each) and Myrtaceae (03) (Figure 3.7). Sikkim has most endemic trees (4.88 %) followed by Assam hills (4.79%), Arunachal Pradesh (4.68%) and Meghalaya (4.36%) of their total tree diversity.

3.6. Threatened trees of IHR

The International Union for Conservation of Nature (IUCN) assesses the threat status of species, which are grouped under three categories, depending on the degree to which they are threatened, Vulnerable (VU), Endangered (EN), Critically endangered (CR).

Less-than-threatened categories are near threatened, least concern and the no longer assigned category of conservation dependent. Species which have not been evaluated (NE), or do not have sufficient data or data deficient (DD) also are not considered “threatened” by the IUCN.

Table 3.16. Endemic trees in IHR

Endemic taxa	Distribution in IHR states
Anacardiaceae	
Cotinus kanaka (R.N.De) D.Chandra	Meghalaya
Mangifera khasiana Pierre	Meghalaya, Sikkim
Toxicodendron bimannii Barbhuiya	Assam hills
Annonaceae	
Goniothalamus simonsii Hook. f. & Thomson	Assam hills, Meghalaya
Miliusa dolichantha Craib	Arunachal Pradesh, Assam hills
Aquifoliaceae	
Ilex clarkei Loes.	Manipur
Ilex khasiana Purkay.	Manipur, Meghalaya
Ilex venulosa Hook. f.	Meghalaya
Burseraceae	
Boswellia serrata Roxb. *ex* Colebr.	Assam hills, Manipur, Meghalaya, Nagaland, Uttarakhand, West Bengal Hills
Celastraceae	
Euonymus lawsonii C.B. Clarke *ex* Prain	Arunachal Pradesh, Assam, Meghalaya
Maytenus sikkimensis D.C.S. Raju & Babu	Sikkim, West Bengal Hills
Clusiaceae	
Garcinia lanceifolia var. oxyphylla (Planch. & Triana) Laness.	Assam hills, Meghalaya, Nagaland, Tripura

Ebenaceae	
Diospyros kanjilali Duthie	Assam hills
Euphorbiaceae	
Excoecaria acerifolia var. cuspidata (Müll. Arg.) Müll. Arg.	Meghalaya
Lasiococca symphyllifolia (Kurz) Hook. f.	Sikkim
Fabaceae	
Albizia arunachalensis K.C. Sahni & H.B. Naithani	Arunachal Pradesh
Archidendron arunachalense S.S.Dash & Sanjappa	Arunachal Pradesh
Archidendron nielsenianum S.S. Dash & Sanjappa	Arunachal Pradesh
Dalbergia wattii C.B.Clarke	Manipur
Gleditsia assamica Bor	Arunachal Pradesh, Assam hills, Meghalaya, Nagaland
Gymnocladus assamicus Kanj. *ex* P.C. Kanj.	Arunachal Pradesh, Meghalaya
Ormosia assamica Yakovlev	Arunachal Pradesh, Assam hills
Fagaceae	
Lithocarpus kamengensis K.C.Sahni *et* H.B. Naithani	Arunachal Pradesh
Lithocarpus listeri (King *ex* Hook. f.) Grierson & D.G. Long	Arunachal Pradesh, Assam hills
Ixonanthaceae	
Ixonanthes khasiana Hook.f.	Assam hills, Meghalaya
Lamiaceae	
Premna milleflora C.B. Clarke	Arunachal Pradesh, Assam hills, Mizoram
Lauraceae	
Actinodaphne obovata var. wattii King	Manipur
Actinodaphne reticulata Meisn.	Meghalaya
Actinodaphne sikkimensis Meisn.	Sikkim
Alseodaphne owdeni R. Parker	Assam hills, Meghalaya
Alseodaphne petiolaris (Meisn.) Hook. f.	Assam hills, Meghalaya, Mizoram
Beilschmiedia aborensis Kosterm.	Arunachal Pradesh
Beilschmiedia clarkei Hook. f.	Sikkim
Beilschmiedia deomalica Bennet & Sum. Chandra	Arunachal Pradesh
Beilschmiedia gammieana King *ex* Hook. f.	Meghalaya
Cinnamomum bhaskarii M. Gangop.	Arunachal Pradesh
Cinnamomum bishnupadae M. Gangop.	Meghalaya
Cinnamomum glanduliferum (Wall.) Meisn.	Arunachal Pradesh
Cinnamomum lohitensis M. Gangop.	Assam hills

Cinnamomum sanjappae M. Gangop.	Arunachal Pradesh
Cinnamomum suvrae M. Gangop.	Meghalaya
Cryptocarya burkillii M. Gangop.	Arunachal Pradesh
Cryptocarya cavei M.Gangop. & Chakrab.	West Bengal hills
Cryptocarya dekae M. Gangop.	Sikkim, Assam hills
Dehaasia arunachalensis M. Gangop.	Arunachal Pradesh
Lindera assamica (Meisn.) Kurz	Assam hills, Meghalaya
Lindera hamiltonii Kosterm.	Assam hills
Lindera melastomacea Fern.-Vill.	Sikkim
Lindera neesiana (*Wall, ex* Nees) Kurz *var.* griffithii Hook.f.	Arunachal Pradesh
Lindera pulcherrima (Nees) Hook. F. *subsp.* thomsonii (CK. Allen) D.G. Long	Meghalaya
Lindera sanjappae Bhaumik, M.K. Pathak & Chakra.	Arunachal Pradesh
Lindera vermae M.K. Pathak, Bhaumik & Chakrab.	Arunachal Pradesh
Litsea assamica Hook. f.	Arunachal Pradesh, Assam hills, Meghalaya
Litsea membranifolia Hook. f.	Arunachal Pradesh, Nagaland
Litsea mishmiensis Hook. f.	Arunachal Pradesh
Litsea oreophila Hook.f.	Sikkim
Litsea salicifolia (Nees) Hook.f. *var.* polyneura Hook.f.	Sikkim, Meghalaya
Neolitsea sanjappae M.K. Pathak, Bhaumik & Chakrab.	Arunachal Pradesh
Persea arunachalensis M. Gangop.	Arunachal Pradesh
Persea dubia (Das & P.C. Kanjilal) Kosterm.	Assam hills, Meghalaya
Persea globularia Kosterm.	Assam hills, Meghalaya
Persea haridasanii M. Gangop.	Arunachal Pradesh
Persea lohitensis M. Gangop.	Arunachal Pradesh
Persea minutiflora Kosterm.	Meghalaya
Persea sharmae M. Gangop.	Meghalaya
Persea sikkimensis M. Gangop.	Sikkim
Phoebe baishyae M. Gangop.	Arunachal Pradesh
Phoebe hainesiana Brandis	Manipur
Lythraceae	
Lagerstroemia minuticarpa Debb. *ex* P.C. Kanjilal	Arunachal Pradesh, Assam hills
Magnoliaceae	
Magnolia gustavii King	Arunachal Pradesh, Manipur, Mizoram, Nagaland
Malvaceae	
Heritiera dubia Wall.	Assam hills, Meghalaya

Meliaceae	
Aglaia khasiana Hiern	Arunachal Pradesh, Assam hills, Meghalaya
Aglaia perviridis Hiern	Sikkim, West Bengal Hills, Assam hills, Meghalaya
Moraceae	
Morus macroura Miq. *var. laxiflora* G.K. Upadhvay & A.A. Ansari	Arunachal Pradesh
Myrtaceae	
Eugenia ramosissima Wall.	Arunachal Pradesh
Syzygium khasianum (Duthie) N.P. Balakr.	Assam hills, Meghalaya
Syzygium mishmiense Chatterjee	Meghalaya
Pandanaceae	
Pandanus assamensis St. John	Assam hills
Pandanus diversus St. John	Assam hills
Pandanus martinianus Nadaf & Zanan	Arunachal Pradesh, Assam
Pandanus sikkimensis St.John.	Sikkim
Pittosporaceae	
Pittosporum eriocarpum Royle	Himachal Pradesh, Uttarakhand
Polygalaceae	
Xanthophyllum burkilli J.R. Drumm. & Dunn	Arunachal Pradesh
Putranjivaceae	
Drypetes jaintensis (C.B. Clarke) Pax & K. Hoffm.	Meghalaya
Rosaceae	
Crataegus songarica K. Koch	Jammu & Kashmir
Eriobotrya petiolata Hook. f.	Sikkim, Arunachal Pradesh, Assam hills
Micromeles meghalyensis Panigrahi	Meghalaya
Micromeles polycarpa (Hook.f.) Panigrahi	Meghalaya
Rubiaceae	
Nostolachma jenkinsii (Hook.f) Deb & Lahiri	Meghalaya
Psychotria burkillii Deb & M. Gangop.	Arunachal Pradesh
Wendlandia puberula DC.	Jammu & Kashmir to Arunachal Pradesh
Rutaceae	
Glycosmis cyanocarpa (Blume) Sprengl. *var. linearifolia* V. Naray. ex Tanaka	Assam hills, Meghalaya, Mizoram
Salicaceae	
Salix calostachya Andersson	Jammu & Kashmir

Salix pseudocalyculata Kimura	Sikkim
Salix stomatophora Flod.	Sikkim
Theaceae	
Adinandra griffithii Dyer	Arunachal Pradesh, Assam hills, Meghalaya, Nagaland
Camellia siangensis T.K. Paul & M.P. Nayar	Arunachal Pradesh, Assam hills, Meghalaya, Nagaland
Ulmaceae	
Ulmus wallichiana var. *tomentosa Melville* & Heybroek	Jammu & Kashmir
Taxaceae	
Amentotaxus assamica D.K. Ferguson	Arunachal Pradesh, Assam hills

Table 3.17. Threatened trees of IHR

Critically endangered (CR)	Endangered (EN)	Vulnerable (VU)
Dipterocarpus turbinatus C.F.Gaertn. (Dipterocarpaceae)	*Adinandra griffithii* Dyer (Pentaphylacaceae)*	*Aquilaria malaccensis* Lam. (Thymelaceae)
Dipterocarpus gracilis Blume (Dipterocarpaceae)	*Dalbergia congesta* Wight & Arn. (Fabaceae)	*Cephalotaxus mannii* Hook.f. (Cephalotaxaceae)
Gymnocladus assamicus Kanj. *ex* P.C. Kanj. (Fabaceae)*	*Dipterocarpus alatus* Roxb. (Dipterocarpaceae)	*Dalbergia latifolia* Roxb. (Fabaceae)
Ilex khasiana Purakayastha (Aquifoliaceae)*	*Goniothalamus simonsii* Hook.f. & Thomson (Annonaceae)*	*Dipterocarpus retusus* Blume (Dipterocarpaceae)
Magnolia gustavii King (Magnoliaceae)*	*Ilex venulosa* Hook.f. (Aquifoliaceae)*	*Elaeocarpus prunifolius* Wall. (Elaeocarpaceae)
Pachylarnax pleiocarpa Dandy (Magnoliaceae)	*Illicium griffithii* Hook. f. & Thomson (Schisandraceae)	*Gleditsia assamica* Bor (Fabaceae)*
	Lagerstroemia minuticarpa Debberm. *ex* P.C. Kanjilal (Lythraceae)*	*Ixonanthes khasiana* Hook.f. *(Ixonanthaceae)**
	Magnolia pealiana King (Magnoliaceae)	*Michelia mannii* King (Magnoliaceae)
	Pittosporum eriocarpum Royle (Pittosporaceae) *	*Picea brachytyla* (Franch.) E. Pritz. (Pinaceae)
	Taxus wallichiana Zucc (Taxaceae)	*Ulmus wallichiana* Planch. (Ulmaceae)*

* Endemic species

Of the total wild taxa in IHR, 26 species (06- critically endangered, 10- endangered, 10- vulnerable) fall under various categories of threats (Table 3.17). One species Sterculia khasiana King is considered as extinct (Ex) by IUCN. Most importantly, among these listed threatened species, 11 species (3 CR, 5 EN, 3 VU) are endemic to IHR.

A complete detail of tree taxa (authentic Botanical name with basionym (if any), state wise occurrence, altitudinal range (masl), leaf persistence habit, phenological attributes (flowering and fruiting), flower colour, use value and distribution) occurring in IHR is inventorized in Table 3.18, 3.19, 3.20 and 3.21.

Appendix 1: Database sources

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Annexure - I : Wild Angiosperm trees of Indian Himalayan Region

Taxa	IHR States												Altitudinal Range (m)	Tree habit	Flowering	Frutiting	Flower Color	Uses	Distribution
	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS							
ACHARIACEAE																			
Hydnocarpus kurzii (King) Warb.= *Taraktogenos kurzii* King						+		+	+	+			200-1000	E	Feb-Apr	Apr-Jun	Pale Yellow	Misc.	India, Bangladesh, Myanmar
ACTINIDIACEAE																			
Saurauia armata Kurz						+				+		+	300-900	D	Apr-May	May-Jun	Reddish	Misc.	India, Bhutan, China, Nepal
Saurauia fasciculata Wall.				+	+	+	+			+		+	500-1500	D	May-Jun	Jul-Aug	White	Fodder	India, Bhutan, Nepal
Saurauia macrotricha Kurz *ex* Dyer					+	+				+			400-1500	E	Apr-Jun	Jun-Aug	Reddish	Misc.	India, China, Myanmar
Saurauia napaulensis DC.		+	+	+	+	+		+	+		+	+	400-3200	E	Jun-Dec	Jun-Dec	Pink to purplish	Edible, Timber	India, Bhutan, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Saurauia punduana Wall.				+	+	+	+	+	+	+	+	+	600-1800	E	Apr-Jun	Sep-Nov	Pink	Misc.	India, Bhutan, Myanmar
Saurauia roxburghii Wall.				+	+	+	+	+	+	+	+	+	300-1200	E	Mar-May	Sep-Feb	White	Fodder	India, Bangladesh, Bhutan, Laos, Malaysia Myanmar, Nepal, Sri Lanka, Thailand
ADOXACEAE																			
Viburnum cylindricum Buch.-Ham. *ex* D. Don	+	+	+	+	+	+		+	+		+	+	1300-2900	E	May-Jun	Aug-Sep	White	Misc.	India, Bhutan, Indonesia, Myanmar, Nepal
Viburnum erubescens Wall.	+	+	+	+	+	+		+	+		+	+	1300-2900	D	Apr-Jun	Aug-Sep	Pink	Misc.	India, Bhutan, Myanmar, Nepal
ALTINGIACEAE																			
Altingia excelsa Noronha						+						+	300-1200	D	Mar-May	Jun-Aug	Greenish	Misc.	India, Bhutan, China, Indonesia, Malaysia, Myanmar
ANACARDIACEAE																			
Buchanania sessilifolia Blume							+		+	+			500-1000	E	Mar-Apr	May-Jul	Greenish white	Misc.	India, Borneo, Laos, Malaysia, Sumatra, Thailand
Choerospondias axillaris (Roxb.) B. L. Burtt & A. W. Hill = *Spondias axillaris* Roxb.				+	+	+	+	+	+		+		300-2000	D	Apr-Jun	Aug-Sep	Purplish red	Edible	India, Bhutan, Cambodia, China, Japan, Laos, Nepal, Thailand, Vietnam
Cotinus coggygria Scop.	+	+	+										1000-1600	E	Apr-Jun	Sep-Oct	Purplish red	Misc.	India, China, France, Itley, Nepal, Pakistan, N America, S Africa

Cotinus kanaka (R.N.De) D.Chandra = *Rhus kanaka* R.N. De											+		1200- 2000	D	Apr-Jun	Aug-Sep	Greenish white	Misc.	India
Dracontomelon duperreanum Pierre						+	+		+	+			200-600	D	Apr-Jun	Jun-Jul	White	Edible, Misc.	India, Bangladesh, Bhutan, Cambodia, Myanmar, Thailand
Drimycarpus racemosus (Roxb.) Hook. f. = *Holigarna racemosa* Roxb.				+	+	+	+	+	+		+	+	400-1200	E	Apr-Jun	Jun-Jul	White	Misc.	India, Bhutan, China, Myanmar, Nepal, Vietnam
Holigarna caustica Oken						+	+			+		+	200-900	D	Mar-Apr	May-Jul	Purplish white	Fuel	India, Bhutan, Myanmar, Nepal, Vietnam
Lannea coromandelica (Houtt.) Merr.[1] =*Dialium coromandelicum* Houtt.	+	+	+	+	+	+	+	+	+	+	+	+	200-1800	D	Mar-Apr	Jun-Jul	Yellow or Purplish	Fodder	India, Bhutan,Cambodia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Mangifera khasiana Pierre				+							+		1200-2000	E	Apr-May	Jun-Aug	Greenish yellow	Edible	India
Mangifera sylvatica Roxb.				+	+	+	+		+	+	+	+	600-1900	E	Apr-May	Jun-Aug	Greenish yellow	Edible	India, Bangladesh, Bhutan, Cambodia, Myanmar, Thailand
Pistacia chinensis Bunge	+	+	+		+	+	+	+		+			400-2000	D	Mar-Apr	Aug-Nov	Red	Misc.	India, Afganistan, Bhutan, China, Pakistan
Pistacia integerrima Stewart	+	+	+										600-1200	D	Mar-Apr	Aug-Nov	Red	Medicinal	India, Afghanistan, Pakistan
Pistacia khinjuk Stocks	+	+											1500-2400	D	Mar-Apr	Aug-Nov	Red	Timber	India, Afghanistan, Egypt, Iraq, Iran, Pakistan, Syria, Turkey
Rhus chinensis Mill.	+	+	+	+	+	+	+	+	+	+	+		600-2000	D	Aug-Sep	Oct-Nov	White	Medicinal	India, Bhutan, Cambodia, Indonesia, Japan, Korea, Laos, Malaysia, Pakistan, Singapore, Thailand, Vietnam
Rhus griffithii Hook. f.				+	+	+	+	+			+		1400-2500	D	Aug-Sep	Oct-Nov	White	Misc.	India, China, Pakistan
Rhus khasiana Hook. f.											+	+	400-1000	D	Apr-Jul	Jul-Sep	Pale yellow-green	Edible	India, Bangladesh
Rhus punjabensis J.L. Stewart *ex* Brandis	+	+	+										400-3500	D	Mar-Apr	Jul-Aug	White	Fodder	India, China, Pakistan
Rhus semialata Murray	+	+	+	+	+	+	+	+	+		+	+	1000-2000	D	Aug-Sep	Aug-Oct	Greenish white	Medicinal	India, Bhutan, China, Nepal, Pakistan

Rhus succedanea L.	+	+	+	+	+	+	+	+	+	+	+	+	100-2500	D	May-Jun	Jul-Aug	Pale yellow-brown	Misc.	India, Cambodia, Japan, Korea, Laos, Thailand, Vietnam
Rhus succedanea var. acuminata (DC.) Hook. f. = *Rhus acuminata* DC.				+		+		+					1000-2000	D	May-Jun	Jul-Aug	Pale yellow-brown	Misc.	India, Cambodia, Japan, N. Korea, Laos, Thailand, Vietnam
Rhus wallichii Hook. f.	+	+	+										700-2400	D	Mar-Apr	Jul-Aug	Pale yellow	Fuel	India, China, Nepal
Semecarpus anacardium L. f.	+	+	+	+	+	+	+	+	+	+	+	+	100-800	D	Jun-Sep	Feb-Mar	Greenish white	Medicinal, Timber	India, Australia, Malaysia, Myanmar
Semecarpus prainii King										+	+		200-800	D	Jul-Nov	Nov-Feb	Greenish white	Misc.	India, Bangladesh, Malaya Paninsula, Myanmar
Spondias mombin L.										+		+	400-1000	E	Mar-Apr	Jul-Aug	White	Medicinal	India, Cambodia, Japan, Korea, Laos, Thailand, Vietnam
Spondias pinnata (L. f.) Kurz = *Mangifera pinnata* L. f.	+	+	+	+	+	+		+	+	+	+	+	300-1200	D	Apr-Jun	Aug-Sep	White	Fodder	India, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, Philippines, Singapore, Sri Lanka, Thailand, Vietnam
Swintonia floribunda Griff.						+		+	+				200-800	E	Mar-Apr	Jul-Aug	Light green-yellowish or white	Misc.	India, Burma, Malaysia, Sumatra, Thailand, Vietnam
Toxicodendron acuminatum (DC.) C.Y. Wu & T.L. Ming = *Rhus acuminata* DC.	+	+	+		+	+	+	+			+		1000-2600	D	May-Jul	Aug-Oct	Light green-yellowish or white	Misc.	India, Bhutan, China, Nepal
Toxicodendron bimannii Barbhuiya												+	1000- 2000	D	May-Jul	Aug-Oct		Misc.	India
Toxicodendron hookeri (K.C. Sahni & Bahadur) C.Y. Wu & T.L. Ming = *Rhus hookeri* K.C. Sahni & Bahadur				+	+	+		+			+		1600-2000	D	Jul-Aug	Aug-Sep	White	Medicinal	India, China

ANNONACEAE																			
Alphonsea lutea (Roxb.) Hook. f. & Thomson = *Uvaria lutea* Roxb.						+	+				+	+	200-600	E	Apr-May	Aug-Sep	Yellow	Edible	India, Myanmar, Sri Lanka
Alphonsea ventricosa (Roxb.) Hook. f. & Thomson = *Uvaria ventricosa* Roxb.						+	+		+	+	+	+	100-1000	E	Mar-Apr	Jul-Aug	Greenish white	Edible	India, Bangladesh
Cananga odorata (Lam.) Hook. f. & Thomson = *Uvaria odorata* Lam.				+		+		+		+			200-800	E	Jun-Jul	Oct-Nov	Pale yellow	Edible	India, Australia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand
Cyathocalyx martabanicus Hook. f. & Thomson							+		+	+	+	+	500-900	E	Apr-May	Oct-Nov	Yellow	Edible	India, Myanmar
Goniothalamus simonsii Hook. f. & Thomson											+	+	500-1200	D	May-Jun	Jun-Jul	Creamy white	Fuel	India
Miliusa dolichantha Craib						+						+	500-1000	D	Mar-Apr	May-Sep	Creamy white	Fuel	India
Miliusa globosa (A. DC.) Panigrahi & S.C. Mishra = *Guatteria globosa* A. DC.				+		+		+	+				500-800	D	Dec-May	Aug-Sep	Red	Misc.	India, Bangladesh, Bhutan
Miliusa longiflora Baill. *ex* Finet & Gagnep.				+	+	+							300-1500	D	Mar-Apr	May-Sep	Reddish green	Misc.	India, Bangladesh, Bhutan, Cambodia, Myanmar, Thailand
Miliusa macrocarpa Hook. f. & Thomson				+	+	+					+	+	1300-2000	D	Apr-May	Aug-Nov	Yellow	Fuel	India, Bhutan, Nepal
Miliusa tomentosa Finet & Gagnep.	+		+										500-1000	D	Mar-May	May-Jul	Greenish yellow	Fuel	India, Nepal, Sri Lanka
Miliusa velutina (Dunal) Hook. f. & Thomson = *Uvaria velutina* Dunal	+		+	+	+	+	+	+	+	+	+		200-900	D	Mar-May	Jun-Oct	Pale yellow	Fuel	India, Cambodia, Laos, Myanmar, Nepal, Thailand, Vietnam
Mitrephora harai Ohashi						+							300-1200	E	Mar-Apr	May-Jun	Purple	Fuel	India, Bhutan
Mitrephora tomentosa Hook. f. & Thomson						+	+			+	+	+	100-1200	E	Mar-May	Aug-Oct	Cream to yellow	Timber	India, Cambodia, China, Laos, Thailand, Vietnam
Polyalthia cerasoides (Roxb.) Benth. & Hook. f. *ex* Bedd. = *Uvaria cerasoides* Roxb.											+		200-1200	D	Apr-Jul	Sep-Dec	Green	Misc.	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Polyalthia jenkinsii Hook. f. & Thomson						+	+	+	+	+	+	+	200-600	D	Aug-Oct	Dec-Jun	Pale yellow	Timber	India, China, Malaysia, Philippines

Polyalthia simiarum (Buch.-Ham. *ex* Hook. f. & Thomson) Benth. ex Hook. f. & Thomson = *Guatteria simiarum* Buch.-Ham. *ex* Hook. f. & Thomson				+	+	+			+	+	+	+	500-1200	E	Apr-Sep	Jul-Dec	Yellowish green	Fiber	India, Bhutan, Cambodia, Laos, Myanmar, Thailand, Vietnam
Sageraea laurina Dalzell							+		+	+	+		200-700	E	Oct-Nov	Jan-Feb	White	Medicinal, Misc.	India, Bhutan
APOCYNACEAE																			
Holarrhena floribunda T. Durand & Schinz							+			+	+		200-1000	D	Mar-Apr	May-Jun	Creamy white	Medicinal, Misc.	India, Bhutan, Camroon, Congo,Gambia, Ghana, Liberia, Mali, Nigeria, Sierra, Togo
Holarrhena pubescens Wall. *ex* G. Don[2]	+	+	+	+	+	+	+	+	+	+	+	+	200-1500	D	Mar-Apr	May-Jun	Creamy white	Medicinal	India, Nepal, Pakistan
Wrightia arborea (Dennst.) Mabb. = *Periploca arborea* Dennst.	+	+	+	+	+	+	+	+	+		+	+	200-1500	D	May-Oct	Aug-Dec	Yellowish, pinkish or salmon	Fodder	India, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Wrightia coccinea (Lodd.) Sims = *Nerium coccineum* Lodd.				+		+			+	+	+	+	300-1800	D	Jan-May	Jan-May	Reddish	Misc.	India, Myanmar, Pakistan, Thailand
Wrightia sikkimensis Gamble				+	+								500-1500	D	Apr-Jun	Jun-Dec	Yellowish	Misc.	India, Vietnam
Wrightia tinctoria R. Br.		+	+										500-1500	D	Jun-Jul	Aug-Sep	Yellowish white	Medicinal	India, Bangladesh, Bhutan, Pakistan
AQUIFOLIACEAE																			
Ilex clarkeii Loes.								+					1000-1500	E	May-Jun	Sep-Oct	Green	Misc.	India
Ilex dipyrena Wall.	+	+	+	+	+	+	+	+	+		+	+	1700-3100	E	Apr-May	May-Jun	Green	Fodder	India, Bhutan, China, Myanmar
Ilex excelsa (Wall.) Hook. f. =*Cassine excelsa* Wall.	+	+	+		+	+	+	+	+	+	+	+	800-2800	E	Apr-May	May-Jun	Yellow green	Fuel	India, Bhutan, Nepal
Ilex embelioides Hook. f.							+	+	+		+	+	1000-1500	E	Apr-May	May-Jun	Green	Misc.	India, Bhutan, Myanmar, Nepal
Ilex fragilis Hook. f.	+	+	+	+	+						+	+	1500-3000	D	May-Jun	Sep-Oct	Yellow green	Fodder	India, Bhutan, Myanmar, Nepal
Ilex godajam (Colebr. *ex* Wall.) Wall. *ex* Hook. f. = *Prinos godajam* Colebr. *ex* Wall.				+		+		+	+	+	+	+	300-1000	E	Apr-May	May-Sep	Yellow green	Fodder	India, Bhutan, Laos, Myanmar, Nepal, Vietnam
Ilex griffithii Hook. f.							+	+					2000-2500	E	Apr-May	May-Jun	Greenish white	Fuel	India, Bangladesh, Bhutan, Myanmar
Ilex hookeri King				+	+			+					2100-3000	E	May-Jun	Oct-Nov	Green	Fuel	India, Bhutan, Myanmar
Ilex insignis Hook. f.				+	+	+							1000-2300	E	Apr-Jun	Jul-Oct	Greenish white	Fuel	India, Bangladesh, Bhutan, Myanmar

Ilex khasiana Purkay.								+			+		1000-1500	E	Apr-Jun	Jul-Oct	Green	Misc.	India
Ilex kingiana Hook.f.				+			+	+	+	+			900-2400	E	Apr-Jun	Jul-Oct	Greenish white	Fuel	India, Bangladesh, Bhutan, Myanmar
Ilex odorata Buch.-Ham. *ex* D. Don	+	+	+	+	+	+	+	+			+		1000-2000	E	Apr-Jun	Jul-Oct	Greenish white	Timber	India, Bangladesh, Myanmar, Nepal
Ilex pseudo-odorata Loes.				+									800-2000	E	Apr-Jun	Jun-Jul	Greenish white	Timber	India, Nepal
Ilex sikkimensis Kurz				+	+	+		+					2100-3000	E	Jun-Jul	Oct-Dec	Greenish white	Fuel	India, Bhutan, Myanmar, Nepal
Ilex venulosa Hook. f.						+							900-2700	E	Feb-Apr	Jun-Dec	White or yellow	Medicinal	India
Ilex wightiana Wall. *ex* Wight					+				+				1700-2400	E	Feb-Apr	Jun-Dec	Greenish white	Misc.	India, Sri Lanka
ARALIACEAE																			
Brassaiopsis aculeata (Buch. -Ham. *ex* D. Don) Seem. = *Hedera aculeata* Buch. -Ham. *ex* D. Don			+	+		+	+	+	+		+	+	1500-2000	D	Jan-Mar	May-Jun	Greenish yellow	Misc.	India, Bhutan, Nepal
Brassaiopsis glomerulata (Blume) Regel = *Aralia glomerulata* Blume					+	+	+	+		+	+		400-2400	D	Sep-Oct	Dec-Jan	Red	Medicinal	India, Bhutan, Cambodia, Indonesia, Laos, Myanmar, Nepal, Thailand, Vietnam
Brassaiopsis griffithii C.B. Clarke						+	+		+	+			500-1600	D	Jan-Mar	May-Jun	Green	Misc.	India, Bhutan, Myanmar, Nepal
Brassaiopsis hainla (Buch.-Ham.) Seem. = *Hedera hainla* Buch.-Ham.				+	+	+	+	+			+		1300-2100	E	Dec-Mar	Jun-Aug	Green	Misc.	India, Bhutan, Myanmar, Nepal, Thailand
Brassaiopsis hookeri C.B. Clarke							+		+		+	+	1200-2400	D	Sep-Oct	Dec-Jan	Green	Misc.	India, Bhutan, Myanmar, Nepal, Thailand
Brassaiopsis magnifica Dunn								+		+			200-1000	D	Jan-Mar	May-Jun	Greenish yellow	Misc.	India, Bhutan, Nepal
Brassaiopsis palmata (Roxb.) Kurz = *Panax palmatus* Roxb.									+			+	500-1600	D	Feb-Mar	Apr-Jun	Green	Fuel, Fodder	India, Bhutan, Nepal
Brassaiopsis simplicifolia C.B. Clarke						+			+				800-3000	D	Dec-Mar	Jun-Aug	Green	Fodder	India, Bhutan, Myanmar, Nepal, Thailand
Brassaiopsis mitis C.B. Clarke						+	+		+		+		1700-2400	D	Jul-Aug	Sep-Oct	Creamy white	Fodder	India, Nepal

Dendropanax japonicum Seem.							+	+		+	+		600-1300	E	Jun-Jul	Jul-Sep	Grey green	Fodder, Misc.	India, Bhutan, Myanmar, Nepal, Vietnam
Gamblea ciliata C.B. Clarke					+	+							1400-3700	E	May-Sep	Jun-Aug	Green	Medicinal, Timber	India, Bhutan, Myanmar, Nepal, Vietnam
Heptapleurum elatum (Buch.-Ham.) C.B. Clarke = *Paratropia elata* Hook. f.				+	+	+	+	+	+	+	+	+	900-1600	E	Mar-Jun	Sep-Oct	Pale greenish white	Timber	India, Bhutan, China, Nepal, Vietnam
Heteropanax fragrans (Roxb.) Seem. = *Panax* fragrans Roxb.			+			+							500-1200	E	Oct-Dec	Feb-Apr	Pale greenish yellow	Fodder/ Timber	India, Bhutan, Indonesia, Myanmar, Nepal, Thailand, Vietnam
Macropanax dispermus (Blume) Kuntze = *Aralia disperma* Blume	+		+	+	+	+	+	+	+		+	+	300-2300	E	Aug-Sep	Jan-Feb	Green	Fodder	India, Bhutan, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Macropanax meghalayensis Harid. & R.R. Rao											+		1200-2800	E	Aug-Sep	Jan-Feb	Green	Fodder	India, Bhutan, China, Nepal, Vietnam
Macropanax undulatus (Wall. *ex* G. Don) Seem. = *Hedera undulata* Wall. *ex* G. Don		+		+	+	+		+	+	+	+	+	400-2200	E	Aug-Sep	Jan-Feb	Green	Fodder, Misc.	India, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Merrilliopanax alpinus (C.B. Clarke) C.B. Shang = *Brassaiopsis alpina* C.B. Clarke					+	+							1500-2300	E	Jul-Aug	Aug-Sep	Yellow	Medicinal, Ornamental	India, Bhutan, China, Nepal
Pentapanax fragrans (D. Don) Ha *var. fragrans*= *Pentapanax leschenaultii* (DC.) Seem.					+	+	+	+	+	+	+		500-1500	E	May-Jul	Aug-Oct	Greenish white	Medicinal	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Pentapanax racemosus Seem.				+	+	+							1500-3200	E	May-Jul	Jun-Aug	Greenish white	Timber, Misc.	India, Bhutan, China, Nepal
Pentapanax subcordatus (Wall. *ex* G. Don) Seem. = *Hedera subcordata* Wall. *ex* G. Don				+			+					+	200-2000	E	Apr-Jun	Jun-Aug	Green	Timber, Misc.	India, China
Schefflera elliptica (Blume) Harms = *Sciadophyllum ellipticum* Blume					+	+	+	+			+	+	1000-1500	E	Apr-May	Jun-Jul	Pale brown	Medicinal	India, China, Myanmar

Schefflera hypoleuca (Kurz) Harms = *Heptapleurum hypoleucum* Kurz							+		+		+	+	800- 1300	E	Jan-Feb	May-Apr	Pale greenish white	Fuel, Timber	India, Myanmar, Vietnam
Schefflera khasiana (C.B. Clarke) R. Vig.= *Heptapleurum khasianum* C.B. Clarke							+		+			+	800-1700	E	Apr-May	May-Jul	Green	Misc.	India, China, Vietnam
Schefflera pauciflora R. Vig.									+		+		1200-2000	E	May-Jul	Jun-Aug	Green	Misc.	India, Bhutan, Myanmar, Nepal, Thailand
Schefflera rhododendrifolia (Griff.) Frodin = *Panax rhododendrifolius* Griff.			+	+	+	+	+	+	+				400-1700	E	May-Aug	Sept-Dec	Green	Misc.	India, Bhuta, China
Schefflera shweliensis W.W. Sm.								+					1900-2800	E	Aug-Nov	Oct-Jan	Pale brown	Timber	India, China
Schefflera wallichiana (Wight & Arn.) Harms = *Paratropia wallichiana* Wight & Arn.								+		+	+		800-2200	E	Apr- May	Jun-Jul	Pale green	Fuel, Timber	India, Sri Lanka
Trevesia palmata (Roxb. *ex* Lindl.) Vis. = *Gastonia palmata* Roxb. *ex* Lindl.				+	+	+			+	+	+	+	600-2000	E	Oct-Nov	May-Jul	Yellowish	Medicinal, Ornamental	India, Bangladesh, Cambodia, China, Laos, Nepal, Thailand, Vietnam
Tupidanthus calyptratus Hook. f. & Thomson							+			+	+	+	800-1700	E	Oct-Nov	May-Jul	Pale brown	Medicinal, Ornamental	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand, Vietnam
ASTERACEAE																			
Leucomeris decora Kurz							+	+	+			+	1000-1900	E	Mar-Apr	May-Jun	White	Misc.	India, Myanmar, Thailand, Vietnam
Leucomeris spectabilis Don[3]			+										800-2000	E	Mar-Apr	May-Jun	White	Misc.	India, Nepal, Myanmar, Thailand, Vietnam
Vernonia arborea Buch.-Ham.					+	+			+	+	+	+	800-1200	E	Aug-Nov	Nov-Dec	Pink, pale purplish	Misc.	India, China, Indonesia, Laos, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam,
Vernonia talaumifolia Hook. f. & Thomson *ex* C.B. Clarke					+		+		+	+	+	+	500-1800	E	Nov-Dec	Jan-Feb	Purple	Misc.	India, Bhutan, Nepal
Vernonia volkameriaefolia Bedd.					+							+	600-1400	D	Dec-Feb	Mar-Apr	Purple	Misc.	India, China, Indonesia, Laos, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam,
BETULACEAE																			
Alnus nepalensis D. Don[4]	+	+	+	+	+	+	+	+	+	+	+	+	200-2800	D	May-Jun	Jul-Sep	Green	Fodder, Misc.	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam

Alnus nitida (Spach) Endl. = *Clethropsis nitida* Spach	+	+	+	+	+	+	+	+	+		+	+	1000-2900	D	Jun-Jul	Sep-Oct	Green	Fodder, Misc.	India, Afganistan, China, Pakistan, Nepal
Betula alnoides Buch.-Ham. *ex* D. Don	+	+	+	+	+	+	+	+	+		+	+	700-2100	D	Oct-Jan	Mar-May	Greenish yellow	Fodder	India, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Betula cylindrostachys Wall. *ex* Diels					+	+	+	+			+		1400-2800	D	Apr-Jun	Jul-Aug	Yellow	Misc.	India, Bhutan
Betula pendulaRoth.		+				+							500-2300	D	Jun-Jul	Jul-Aug	Green	Misc.	India, China, Kazakhstan, Mongolia, Russia, Europe
Betula utilis D. Don[5]	+	+	+	+	+	+	+	+					2500- 4200	D	Jun-Jul	Jul-Aug	Green	Timber, Fodder	India, Afghanistan, Bhutan, Nepal
Carpinus faginea Lindl.	+	+	+										1500-2100	D	Apr-Jun	Jul-Aug	Greenish yellow	Fodder	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Carpinus viminea Lindl.	+	+	+	+	+	+	+	+			+		1500-2500	D	Apr-Jun	Jul-Sep	Green	Fodder	India, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Corylus colurna L. [6]	+	+	+	+		+	+	+			+	+	1600-3300	D	Mar-Apr	May-Jul	Green	Edible, Fodder	India, Afghanistan, China, SE Europe, Pakistan, Turkey
Corylus ferox Wall.	+	+	+	+	+		+				+	+	1600-2500	D	May-Jul	Jul-Sep	Green	Edible	India, Bhutan, Myanmar, Nepal
BIGNONIACEAE																			
Crescentia alata Kunth .							+	+		+	+		700-1200	E	May-Jul	Sep-Nov	Greenish yellow	Edible, Medicinal	India, Cambodia, Laos, Myanmar, Thailand, Vietnam
Crescentia cujete L.							+				+	+	1200-1900	E	May-Jul	Sep-Nov	Greenish yellow	Edible, Medicinal	India, Cambodia, Laos, Myanmar, N. America, Thailand, Vietnam
Markhamia stipulata (Wall.) Seem. = *Spathodea stipulata* Wall.						+				+	+		300-1700	E	Sep-Dec	Jan-Apr	Rusty yellow	Misc.	India, Cambodia, Laos, Myanmar, Thailand, Vietnam
Oroxylum indicum (L.) Kurz = *Bignonia indica* L.	+	+	+	+	+	+	+	+	+	+	+	+	500-1000	D	Sep-Dec	Mar-Jul	Pinkish white	Medicinal	India, Bhutan, Cambodia, Indonesia, Java, Laos, Malaysia, Myanmar, Nepal, Philippines, Sumatra, Thailand, Vietnam
Pajanelia rheedii Wight				+	+		+		+	+		+	200-1000	D	May-Jul	Sep-Nov	Creamy white	Medicinal, Misc.	India, Myanmar, Peninsular Malaysia, Singapore, Sumatra, Sri Lanka, Thailand
Pajanelia longifolia K. Schum.							+	+	+				200-1000	D	May-Jul	Sep-Nov	Creamy white	Medicinal, Misc.	India, Myanmar, Peninsular Malaysia, Singapore, Sri Lanka, Sumatra, Thailand
Radermachera gigantea (Blume) Miq. = *Spathodea gigantea* Blume						+	+				+		300-1200	D	May-Sep	Oct-Dec	Pink	Timber	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand
Radermachera glandulosa (Blume) Miq.= *Spathodea glandulosa* Blume						+		+	+	+			300-1000	D	Apr-May	Jul-Aug	White	Timber	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand

Radermachera sinica (Hance) Hemsl. = *Stereospermum sinicum* Hance				+		+	+	+	+		+	+	300-1000	D	May-Sep	Oct-Dec	White to pale yellow	Timber, Misc.	India, Bhutan, China, Myanmar, Vietnam
Spathodea campanulata P. Beauv.							+			+		+	400-1300	E	Apr-May	Jul-Aug	White	Edible, Medicinal, Misc.	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand
Stereospermum chelonoides DC.	+	+	+	+	+	+	+	+	+	+	+	+	300-1000	D	May-Jul	Sep-Nov	Pale yellow	Edible, Medicinal, Misc.	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Stereospermum hypostictum Miq.												+	400-1200	D	May-Jul	Sep-Nov	White	Misc.	India, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Stereospermum colais (Buch.-Ham. *ex* Dillwyn) Mabb. = *Bignonia colais* Buch.-Ham. *ex* Dillwyn				+	+	+		+	+		+		400-1800	D	May-Jul	Sep-Nov	Yellow	Fodder	India, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Stereospermum fimbriatum DC.							+		+	+	+	+	400-1800	D	May-Jul	Sep-Nov	White	Misc.	India, Malaysia, Myanmar,Thailand
Stereospermum neuranthum Kurz							+		+	+			300-1000	D	May-Jul	Sep-Nov	Creamy white	Timber	India, Cambodia, China, Myanmar, Thailand, Laos, Vietnam
BIXACEAE																			
Cochlospermum religiosum (L.) Alston = *Bombax religiosum* L.	+		+	+	+	+	+	+	+	+	+	+	200-1000	D	Jan-Mar	Mar-Jun	Yellow	Ornamental, Misc.	India, Cambodia, Indonesia, Malaysia, Philippines, Sri Lanka, Vietnam, Thailand
BORAGINACEAE																			
Cordia clarkei Brace *ex* Prain							+	+	+				1000-1300	D	Mar-Apr	Jun-Jul	White	Misc.	India, Bhutan, Nepal
Cordia dichotoma G. Forst.	+	+	+	+	+	+	+	+	+		+	+	1300-1600	D	Mar-Apr	Jun-Jul	Yellowish white	Fodder, Misc.	India, Australia, China, New Caledonia, Pakistan, Taiwan
Cordia fragrantissima Kurz					+		+		+	+		+	800-1200	D	Mar-Apr	Jun-Jul	White	Misc.	India, Bhutan, China, Nepal
Cordia grandis Roxb.						+	+	+	+	+	+		600-1000	D	Mar-Apr	Jul-Aug	White	Edible, Misc.	India, Bhutan, China, Nepal
Cordia myxa L.				+	+	+	+	+		+	+		400-1200	D	Mar-Apr	Jul-Aug	White	Misc.	India, Afganistan, Myanmar, Pakistan
Cordia obliqua Willd.			+	+		+		+			+	+	1000-1500	D	Mar-Apr	Jun-Jul	Yellowish white	Medicinal	India, Bangladesh, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Cordia vestita Hook. f. & Thomson	+	+	+										300-1800	D	Mar-Apr	Jun-Jul	Yellowish white	Fodder	India, Pakistan

Ehretia acuminata R. Br.	+	+	+	+	+	+		+		+	+	+	200-1000	D	Mar-Jun	Jun-Jul	White	Fodder	India, Australia, Bhutan, China, Indonesia, Japan, Vietnam
Ehretia laevis Roxb.	+	+	+	+		+	+	+	+	+		+	200-1000	D	Mar-Apr	Jul-Aug	White	Fodder, Medicinal	India, Bhutan, Myanmar, Nepal
Ehretia laevis Roxb. *var. floribunda* (Benth.) Brandis = *Ehretia floribunda* Benth.					+						+	+	200-1000	D	Mar-Apr	Jul-Aug	White	Fodder, Medicinal	India, Bhutan, Nepal
Ehretia wallichiana Hook. f. & Thomson *ex* C.B. Clarke				+	+	+	+		+		+		1200-1500	D	Mar-May	Jun-Aug	Pinkish white	Misc.	India, Bhutan, Nepal
BURSERACEAE																			
Boswellia serrata Roxb. *ex* Colebr.			+		+		+	+			+	+	200-900	D	Jan-May	Apr-Nov	White	Fodder	India
Canarium bengalense Roxb.					+	+	+	+			+	+	400-1300	D	Jul-Oct	Sep-Nov	Creamy white	Medicinal	India, Laos, Myanmar, Thailand
Canarium strictum Roxb.				+			+			+	+		500-1200	D	Jul-Aug	Mar-Apr	Creamy white	Misc.	India, Bangladesh, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Garuga floribunda Decne.						+	+	+	+		+		200-900	D	May-Jun	Aug-Nov	Yellow	Edible, Medicinal	India, Bangladesh, Bhutan, China
Garuga floribunda var. gamblei (King *ex* W.W. Sm.) Kalkman = *Garuga gamblei* King *ex* W.W. Sm.				+		+	+		+		+	+	200-1000	D	Mar-Apr	Apr-Oct	Yellow	Medicinal	India, Bangladesh, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Garuga pinnata Roxb.			+	+	+	+	+	+	+	+	+	+	400-1400	D	Mar-Apr	Apr-Oct	White	Medicinal, Fodder	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand, Vietnam
Protium serratum (Wall. *ex* Colebr.) Engl. = *Bursera serrata* Wall. *ex* Colebr.								+	+	+		+	600-1000	D	Apr-May	May-Jun	Light green	Misc.	India, Bhutan, Cambodia, Laos, Myanmar, Thailand, Vietnam
BUXACEAE																			
Buxus wallichiana Baill	+	+	+										1300-3000	E	Mar-May	Jun-Aug	Greenish white	Timber, Fodder	India, Afghanistan, Bhutan, Nepal, Pakistan
CALOPHYLLACEAE																			
Calophyllum polyanthum Wall. *exChoisy*				+	+	+	+	+			+	+	200-1800	E	Apr-May	Sep-Oct	White	Misc.	India, Bangladesh, Bhutan, Laos, Myanmar, Thailand, Vietnam
Mesua floribunda (Wall.) Kosterm				+	+		+	+			+	+	100-1300	E	Mar-Apr	Jun-Aug	White	Edible	India, Bhutan

Mammea nervosa Kosterm.									+				600-1500	E	Apr-May	Sep-Oct	Yellowish white	Misc.	India, Bangladesh, Malaya Peninsula, Myanmar, Thailand, Vietnam
Mesua assamica (King *ex* Prain) Kosterm. = *Kayea assamica* King & Prain					+	+	+	+	+	+	+	+	200-1000	E	Apr-Jun	Jul-Dec	White	Medicinal	India
Mesua ferrea L.			+	+	+	+		+	+	+	+	+	200-1000	E	Feb-Apr	Aug-Sep	White	Medicinal	India, Bangladesh, China, Indonesia, Java, Malaysia, Pakistan, Sri Lanka, Thailand
CANNABACEAE																			
Aphananthe cuspidata (Blume) Planch. = *Cyclostemon cuspidatum* Blume				+			+			+	+		200-900	E	Mar-Apr	Jul-Sep	Green	Fodder	India, Bhutan, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Celtis caucasica Willd. [7]	+	+	+	+	+	+	+	+	+		+	+	1600-2700	D	Apr-May	Sep-Oct	White	Fodder	India, Afganistan, Caucasus, China, Iraq, Iran, Pakistan, Nepal
Celtis eriocarpa Decne.	+	+	+										400-1800	D	Feb-Apr	May-Jul	Green	Fodder	India, Bangladesh. Bhutan, China, Pakistan, Taiwan, Vietnam
Celtis tetrandra Roxb.	+	+	+	+	+	+	+	+	+	+	+	+	700-1500	D	Mar-Apr	Sep-Oct	Yellowish white	Fodder	India, Bangladesh, Bhutan, China, Indonesia, Myanmar, Nepal, Taiwan, Thailand, Vietnam
Celtis timorensis Span.				+	+	+	+	+	+	+	+	+	200-500	E	Feb-Apr	Aug-Sep	Golden brown	Fodder	India, Bangladesh, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Gironniera thompsonii King *ex* A.M. Cowan & Cowan				+			+			+		+	200-1000	E	Mar-Jun	Jul-Sep	Green	Fodder	India, Bhutan, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Trema cannabinaLour.	+	+	+										200-1100	E	Mar-Jun	Sep-Oct	Yellowish white	Misc.	India, Cambodia, Indonesia, Japan, Malaysia, Myanmar, Nepal, Pacific Islands, Philippines, Thailand, Vietnam
Trema orientalis (L.) Blume = *Celtis orientalis* L.	+	+	+	+	+	+	+	+	+	+	+	+	400-1900	E	Mar-May	Jun-Nov	Greenish yellow	Fodder	India, Cambodia, Indonesia, Japan, Malaysia, Myanmar, Nepal, Pacific Islands, Philippines, Thailand, Vietnam
Trema politoria (Planch.) Blume = *Sponia politoria* Planch.	+	+	+	+	+		+	+	+	+	+	+	300-900	E	Mar-May	Jun-Nov	Greenish yellow	Misc.	India, Cambodia, Indonesia, Japan, Malaysia, Myanmar, Nepal, Pacific Islands, Philippines, Thailand, Vietnam
Trema tomentosa (Roxb.) H. Hara = *Celtis tomentosa* Roxb.					+	+	+	+	+	+			200-1000	E	Mar-Jun	Sep-Nov	Yellow	Timber, Misc.	India, Australia, Bangladesh, Bhutan, Cambodia, E Africa, Japan, Laos, Madagascar, Malaysia, Myanmar, Nepal, Pacific Islands, Pakistan, Vietnam

CAPPARACEAE																			
Capparis bodinieri H. Lév.				+			+		+				300-1700	D	Feb-Mar	Apr-May	Greenish white	Misc.	India, Bhutan, China, Myanmar
Crateva adansonii subsp. odora (Buch.-Ham.) Jacobs = *Crateva odora* Buch. -Ham.							+		+				300-600	D	Mar-Jun	Jul-Oct	White	Medicinal, Edible, Timber	India, Pakistan, Sri Lanka
Crateva magna (Lour.) DC. = *Capparis magna* Lour.						+		+					200-1000	D	Jan-Apr	Apr-Aug	Cream	Edible, Medicinal	India, Bangladesh, China, Indonesia, Malaysia, Myanmar,Sri Lanka
Crateva religiosa Forst.f.		+	+	+		+							300-1000	D	Apr-May	Jul-Aug	White	Sacred	India, Bhutan, China, Myanmar, Nepal, Thailand
Crateva unilocularis Buch.-Ham.				+	+	+	+	+	+	+	+	+	200-1500	D	Jan-Apr	Jul-Nov	Creamy yellow	Misc., Edible	India, Bangladesh, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Vietnam
CELASTRACEAE																			
Cassine glauca Kuntze			+		+	+	+	+	+		+		1500- 1700	D	Apr-Jun	Oct-Dec	White	Medicinal, Fodder	India, Malaysia, Pakistan, Sri Lanka
Euonymus attenuatus Wall. *ex* M.A. Lawson				+	+	+	+	+	+	+	+	+	700-2000	E	May-Jun	Aug-Nov	Red	Fuel	India, Bangladesh
Euonymus bullatus Wall. *ex* Lodd.					+	+	+	+	+	+	+		900-3300	E	Apr-Jun	Aug-Nov	Red	Fuel	India, Bangladesh, China, Myanmar, Thailand
Euonymus fimbriatus Wall.	+	+	+	+	+		+						2100-3300	D	Apr-May	Jul-Aug	Greenish yellow	Misc.	India, Afghanistan, Nepal, Pakistan
Euonymus glaber Roxb.		+	+			+	+	+	+				500-1600	E	Apr-May	Jul- Aug	Cream	Misc.	India, Bangladesh, Cambodia, Malaysia, Myanmar, Thailand, Vietnam
Euonymus grandiflorusWall.		+	+								+		1000-2000	D	Apr-Jul	Aug-Nov	Yellow or brown green	Misc.	India, Afganistan, Bhutan, China, Myanmar Nepal
Euonymus hamiltonianusWall.	+	+	+	+	+	+	+	+			+	+	1700-2000	D	Apr-Jul	Aug-Nov	White	Misc.	India, Afganistan, Bhutan, China, Nepal, Pakistan
Euonymus lawsonii C.B. Clarke *ex* Prain						+	+				+	+	1200-1600	E	Jan-May	Jun-Dec	White	Fuel	India, China, Myanmar, Vietnam
Euonymus lucidus D. Don	+	+	+										200-3000	D	Apr-May	Jul-Nov	White	Fuel	India, Bangladesh, Nepal, Pakistan, New Zealand
Euonymus tingensWall.	+	+	+	+	+	+	+	+	+		+	+	1300-3700	E	May-Aug	Jul-Nov	Creamy white	Misc.	India,, Bhutan, China, Myanmar, Nepal
Euonymus viburnoides Prain					+								1300-3400	D	May-Jul	Jul-Nov	Red	Misc.	India, Bhutan, China, Myanmar

Lophopetalum fimbriatum Wight							+	+	+	+	+	+	500-1500	D	Dec-Mar	Mar-Jul	Red	Fodder	India, Bangladesh, China, Myanmar,China, Sumatra, Malay Pen insula and Borneo
Lophopetalum wightianum Arn.					+	+	+						200-1000	D	Dec-Mar	Mar-Jul	Greenish white	Timber	India, Borneo, China, Bangladesh, Malaya Peninsula, Myanmar, Sumatra
Maytenus kurzii Benn. & K.C. Sahni					+								1200-1800	E	Apr-Jun	Jun-Sep	Greenish white	Misc.	India, Bhutan, China
Maytenus rufa (Wall.) Cufod. = *Celastrus rufus* Wall.					+			+			+	+	1700- 2200	E	Apr-Jun	Jun-Sep	White	Misc.	India, Bhutan, China, Myanmar, Nepal
Maytenus sikkimensis D.C.S. Raju & Babu				+	+								900-1800	D	Jan-May	Mar-Jul	White	Fuel, Misc.	India
Maytenus thomsonii D.C.S. Raju & Babu								+	+		+	+	1100-1300	D	Apr-Jun	Jun-Oct	Greenish white	Misc.	India, Myanmar
Siphonodon celastrineus Griff.				+							+		1400-2200	E	May-Nov	Nov-Jan	Creamy white	Misc.	India, Cambodia, Malaysia, Myanmar, Vietnam
CENTROPLACACEAE																			
Bhesa robusta (Roxb.) Ding Hou = *Celastrus robustus* Roxb.				+	+	+	+	+	+	+	+	+	200-1000	E	Oct-Dec	Dec-Mar	Yellowish Green	Medicinal	India, Bhutan, China, Malaysia, Myanmar, Nepal, Thailand
CLUSIACEAE																			
Garcinia affinis Wall. *ex* Pierre					+		+			+	+		200-1000	D	Nov-Jan	Feb-Jun	Pale yellow	Edible	India, Bangladesh, Myanmar
Garcinia anomala Planch. & Triana				+	+	+	+	+	+		+		900-1800	E	Nov-Jan	Feb-Aug	Yellowish	Medicinal, Misc	India, Bangladesh, Myanmar
Garcinia atroviridis Griff. *ex* T. Anderson						+							500-2000	D	Nov-Jan	Feb-Aug	Red	Edible, Medicinal	India, Malaysia, Malacca, Myanmar, Thailand
Garcinia cowa Roxb.				+	+	+	+	+	+	+	+	+	300-1200	D	Feb-May	May-Jun	Yellow	Medicinal	India, Bangladesh, China, Myanmar, Thailand
Garcinia kydia Roxb.											+	+	200-600	D	Dec-Feb	Mar-Jul	Pale yellow	Medicinal	India, Bangladesh, Malaysia, Myanmar
Garcinia lanceifolia Roxb.						+	+		+	+	+		200-1000	E	Feb-May	Jun-Jul	Yellow	Misc.	India, Bangladesh, Myanmar

Garcinia lanceifolia var. oxyphylla (Planch. & Triana) Laness. = *Garcinia oxyphylla* Planch. & Triana						+	+			+	+		400-1200	E	Feb-May	Jun-Jul	Yellow	Misc.	India
Garcinia morella Desr.				+					+		+	+	200-1000	E	Nov-Mar	Mar-Jun	White	Edible, Medicinal	India, Bangladesh, Malacca, Myanmar, Singapore, Sri Lanka, Thailand
Garcinia paniculata Roxb. *ex* Wight				+		+	+	+	+	+	+	+	400-1000	D	Nov-Mar	Mar-Jun	Dull white	Edible	India, Bangladesh, Bhutan, Myanmar, Nepal
Garcinia pedunculata Roxb. *ex* Buch.- Ham.						+	+	+	+		+		100-1000	D	Nov-Mar	Mar-Jun	Pale green	Edible, Timber	India, Bangladesh
Garcinia pictoria Buch.- Ham.				+	+	+		+	+		+	+	1000-1400	E	Aug-Dec	Jan-May	White	Edible, Misc	India, Bangladesh, China, Malaysia, Myanmar, Thailand
Garcinia spicata Hook. f.											+		800-1300	E	Mar-Jun	Jun-Jul	Pale green, White	Edible	India, Bangladesh, Malacca, Myanmar, Singapore, Sri Lanka, Thailand
Garcinia stipulata T. Anderson				+	+	+	+				+		900-1500	E	Aug-Dec	Jan-May	Creamy yellow	Misc., Edible	India, Bhutan
Rheedia madruno (Kunth) Planch. & Triana = *Calophyllum madruno* Kunth						+			+	+	+		500-1200	E	Dec-Mar	Apr-Jun	Yellow	Medicinal, Misc	India, Bangladesh, Thailand
COMBRETACEAE																			
Anogeissus acuminata (Roxb. *ex* DC.) Guill., Perr. & A. Rich. = *Conocarpus acuminatus* Roxb. *ex* DC.				+			+		+	+	+	+	200-1200	D	Mar-Apr	May-Jul	Yellow	Fodder, Fuel	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand, Vietnam
Anogeissus latifolia (Roxb. *ex* DC.) Wall. *ex* Bedd. = *Conocarpus latifolius* Roxb. *ex* DC.	+	+	+										200-1200	D	Mar-Apr	May-Jul	Creamy yellow	Fodder	India, Bangladesh, Cambodia, Laos, Myanmar, Sri Lanka, Thailand, Vietnam
Terminalia alata Roth					+	+	+	+	+	+			200-1400	D	Mar-Apr	May-Jul	Greenish white	Fodder	India, Bangladesh, Cambodia, Laos, Myanmar, Nepal, Thailand, Vietnam
Terminalia arjuna (Roxb. *ex* DC.) Wight & Arn. = *Pentaptera arjuna* Roxb. *ex* DC.	+	+	+	+		+	+		+	+		+	200-1400	D	Apr-May	Feb-May	White	Medicinal, Fodder	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand, Vietnam

Terminalia bellirica (Gaertn.) Roxb.[8] = *Myrobalanus bellirica* Gaertn.	+	+	+	+	+	+	+	+	+	+	+	+	200-1600	D	Mar-Apr	May-Jul	Pale green	Medicinal, Fodder	India, Australia, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Terminalia catappa L.				+	+	+	+		+			+	200-1600	D	Mar-Jun	Jul-Sep	Greenish white	Avenue, Medicinal	India, Australia, Bangladesh, Cambodia, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam
Terminalia chebula Retz.	+	+	+	+	+	+	+	+	+	+	+	+	200-1600	D	May-Jun	Jul-Dec	Greenish white	Medicinal, Fodder	India, Bangladesh, Bhutan, Cambodia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Terminalia citrina (Gaertn.) Roxb. = *Myrobalanus citrina* Gaertn.						+	+	+	+	+	+	+	200-1600	D	May-Jun	Jul-Dec	Greenish white	Medicinal, Misc.	India, Bhutan, Indonesia, Malaysia, Myanmar, Philippines, Thailand
Terminalia crenulata Roth.	+	+	+	+	+		+						200-1600	D	Mar-Jun	Jul-Sep	Dull yellow	Fodder	India, Pakistan, Sri Lanka
Terminalia myriocarpa Van Heurck & Müll. Arg.	+	+	+	+	+	+	+	+	+	+	+	+	700-1100	D	Oct-Nov	Dec-Feb	Pale Pink	Medicinal	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Vietnam, Thailand
CORNACEAE																			
Alangium alpinum (C.B. Clarke) W.W. Sm. & Cave = Marlea begoniifolia var. alpina C.B. Clarke				+	+	+	+	+	+		+	+	1700-3000	D	Jan-Aug	Oct-Nov	Creamy white	Avenue, Medicinal	India, Bhutan, China, Myanmar, Nepal
Alangium barbatum (R. Br.) Baill. = *Marlea barbata* R. Br.												+	200-1200	D	Jun-Aug	Oct-Mar	Creamy white	Avenue, Medicinal	India, China, Laos, Myanmar, Thailand, Vietnam
Alangium begoniifolium (Roxb.) Baill.= *Marlea begoniifolia* Roxb.				+	+		+	+	+	+	+	+	200-1400	D	Jun-Aug	Oct-Mar	Creamy white	Avenue, Medicinal	India, China, Laos, Myanmar, Thailand, Vietnam
Alangium chinense (Lour.) Harms = *Stylidium chinense* Lour.		+		+	+	+	+	+			+	+	1500-2000	D	May-Jul	Jul-Nov	Creamy white	Avenue	India, China, Laos, Myanmar, Thailand, Vietnam
Alangium salviifolium (L. f.) Wangerin = *Grewia salviifolia* L. f.	+	+	+	+		+	+				+	+	300-1200	D	Feb-Mar	Mar-May	Cream	Fodder	India, Cambodia, China, Indonesia, Laos, Malaysia, Nepal, Philippines, SE Africa, Sri Lanka, Thailand, Vietnam
Aucuba himalaica Hook. f. & Thomson					+			+					500–1300	D	Mar-May	Oct-May	Reddish purple	Misc.	India, Bhutan, China, Myanmar

Cornus capitata Wall. [9]	+	+	+	+	+	+	+	+	+		+	+	1000-3200	E	May-Jul	Sep-Nov	Yellow	Edible, Medicinal	India, Bhutan, China, Myanmar, Nepal
Cornus controversa Hemsl.	+	+	+	+	+	+		+			+	+	1700-2200	D	May-Jun	Jul-Sep	White	Fuel, Fodder	India, Bhutan, China, Japan, Korea, Myanmar, Nepal
Cornus macrophylla Wall. [10]	+	+	+	+	+	+		+					1300-2300	D	Jun-Jul	Aug-Sep	White	Fodder	India, Afghanistan, Bhutan, China, Myanmar, Nepal, Pakistan
Cornus oblonga Wall.			+	+		+		+			+		1400-2500	D	Sep-Jan	Apr-Jun	White	Fodder	India, Bhutan, China, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam
Toricellia tiliifolia DC.			+	+			+	+					1600-2600	D	Nov-Mar	Mar-Apr	White	Fuel, Fodder	India, Bhutan, China, Nepal
CRYPTERONIACEAE																			
Crypteronia paniculata Blume						+	+			+	+		300-1300	E	Jul-Aug	Sep-Nov	Greenish	Timber	India, Bangladesh, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
DAPHNIPHYLLACEAE																			
Daphniphyllum himalayense (Benth.) Müll. Arg. = *Goughia himalensis* Benth.		+	+	+	+	+		+			+	+	1500-3000	E	Apr-Jun	Jun-Dec	Reddish brown	Medicinal	India, Bhutan, China, Myanmar, Nepal, Pakistan, Vietnam
DICHAPETALACEAE																			
Dichapetalum gelonioides (Roxb.) Engler = *Moacurra gelonioides* Roxb.						+							300-1500	E	Mar-Jun	Aug-Dec	Creamy white	Medicinal	India, China, Malaysia, Myanmar, Sri Lanka, Thailand
DILLENIACEAE																			
Dillenia indica L.	+		+		+	+	+	+	+	+	+	+	200-800	E	May-Aug	Sep-Feb	White	Edible, Medicinal	India, Bangladesh, Cambodia, China, Malaysia, Myanmar, Sri Lanka, Vietnam, Thailand
Dillenia pentagyna Roxb.				+	+	+	+	+	+	+	+	+	200-900	D	Jan-May	Mar-Jun	Yellow	Fodder	India, Celebs, China, Indonesia, Java, Lesser, Myanmar, Vietnam, Thailand
Dillenia scabrella (D. Don) Roxb. *ex* Wall. = *Colbertia scabrella* D. Don										+	+	+	200-500	D	Jan-Mar	Jun-Jul	Yellow	Edible	Indiia, Cambodia, Laos, Myanmar, Nepal, Vietnam
DIPTEROCARPACEAE																			
Dipterocarpus gracilis Blume						+						+	200-500	D	Nov-Jan	Feb-May	White	Timber, Medicinal	India, Bangladesh, Malaysia, Myanmar, Thailand

Dipterocarpus macrocarpus Vesque.						+	+	+	+	+	+		200-800	D	Jan-Feb	Apr-Jun	Yellowish brown	Timber	India, Indonesia, Malaysia, Myanmar, Philippines
Dipterocarpus manniiKing ex Kanjilal, P.C. Kanjilal & Das						+							200-800	D	Jun-Jul	Jul-Aug	White	Timber	India
Dipterocarpus retusus Blume						+	+	+	+				200-1200	D	Jun-Nov	Aug-Mar	Reddish	Timber	India, China, Java, Malaysia
Dipterocarpus turbinatus Gaertn.f.					+	+	+	+	+	+	+	+	200-800	D	Jan-Mar	May-Jun	Pinkish white	Misc.	India, Bangladesh, China, Myanmar
Hopea shingkeng (Dunn) Bor = *Vatica shingkeng* Dunn						+	+	+					200-800	E	Jul-Oct	Sep-Oct	Green	Timber	India, China
Shorea assamica Dyer					+	+	+	+	+	+	+	+	200-900	E	Aug-Oct	Nov-Mar	White	Timber	India, Malaysia, Myanmar
Shorea robusta Gaertn. [11]	+	+	+	+	+	+	+	+	+	+	+	+	400-900	D	Feb-May	May-Jul	White	Timber	India, Bhutan, Nepal
Vatica lanceifolia (Roxb.) Blume = *Vatica lanceifolia* (Roxburgh) Blume					+	+	+	+			+	+	200-900	E	Apr-May	May-Aug	Yellowish white	Fuel	India, Bhutan, Bangladesh, Myanmar
EBENACEAE																			
Diospyros amoena Wall. *ex* G. Don										+			800-1200	D	Jun-Jul	Aug-Oct	Yellowish white	Edible, Misc.	India, Bangladesh, Indonesia, Nepal, Myanmar, Thailand, Malaysia, Philippines
Diospyros cacharensis (Das & P.C. Kanjilal) H.B. Naithani = *Maba cacharensis* Das & P.C. Kanjilal						+	+	+	+		+	+	400-1000	D	Jun-Jul	Aug-Oct	Greenish white	Misc.	India, Bangladesh, Bhutan
Diospyros chloroxylon Roxb.					+		+		+	+	+	+	900-1500	D	May-Jun	Sep-Oct	White	Fodder	India, China, Japan
Diospyros cordifolia Roxb.		+	+										800-1400	D	Apr-May	Sep-Oct	Greenish white	Misc.	India, Australia, Bangladesh, Bhutan, Myanmar, Malaysia
Diospyros digyna Jacq.							+	+		+			500-1000	E	May-Jun	Sep-Oct	White	Edible	India, Brazil, Central America, Colombia, Mexico
Diospyros embryopteris Pers.			+									+	500-1000	E	Mar-May	Jul-Aug	Greenish white	Misc.	India, China, Myanmar
Diospyros elegans C.B. Clarke											+		1000-1500	D	May-Jun	Sep-Oct	White	Misc.	India, Bangladesh
Diospyros exsculpta Buch.- Ham.		+	+										400-1000	D	Jun-Jul	Aug-Oct	White	Edible, Misc.	India, Sri Lanka

Diospyros glandulosa Lace									+		+		400-1000	D	Jun-Jul	Aug-Oct	Greenish white	Edible, Misc.	India, Bangladesh
Diospyros grata Wall. *ex* A. DC.							+				+	+	1000-1500	D	Jun-Jul	Aug-Oct	Greenish white	Misc.	India, Bangladesh
Diospyros humilis Bourd.										+			800-1200	D	Jun-Jul	Aug-Oct	White	Misc.	India, China, Nepal
Diospyros kaki L. [12]				+	+	+	+	+	+		+	+	1000-1500	D	May-Jun	Sep-Oct	Yellowish white	Fuel	India, China, Japan
Diospyros kanjilali Duthie			+									+	300-1200	D	Mar-Apr	May-Jun	White	Misc.	India
Diospyros lanceolata Poir.				+	+	+		+	+	+	+	+	500-2500	D	May-Jun	Oct-Nov	Reddish	Misc.	India, Borneo, Nepal, Peninsular Malaysia, Philippines, Sumatra, Thailand
Diospyros lotus L.		+				+	+	+		+	+		500 -2500	D	May-Jun	Oct-Nov	Pale yellow	Fuel, Medicinal	India, Bangladesh, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Singapore, Sri Lanka, Thailand, USA
Diospyros malabarica (Desf.) Kostel. [13] = *Garcinia malabarica* Desr.	+	+	+	+	+	+		+			+	+	600-1200	E	May-Jun	Oct-Nov	White or Green	Edible, Medicinal, Misc.	India, Bangladesh, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Singapore, Sri Lanka, Thailand, USA
Diospyros montana Roxb.	+	+	+	+	+		+			+		+	300-1200	D	Mar-Apr	May-Jun	White	Medicinal	India, Australia, China, Malaysia, Sri Lanka
Diospyros nigricans Dalzell						+		+			+	+	400-1200	D	Apr-May	Oct-Nov	White	Misc.	India, Bangladesh
Diospyros pachyphylla C.B. Clarke					+		+	+	+	+	+		500-1000	D	Apr-May	Jul-Sep	White	Misc.	India, Borneo, Mallaca, Nepal,Peninsular Malaya, Philippines, Sumatra, Thailand
Diospyros peregrina (Gaertn.) Gürke = *Embryopteris peregrina* Gaertn.										+			400-1000	E	May-Jul	Sep-Oct	Pale yellow	Fodder, Edible, Medicinal, Misc.	India, Bangladesh, Bhutan, Malaysia
Diospyros pilosula Wall. *ex* Hiern												+	600-1100	D	Jan-Mar	May-Jun	Pale yellow	Misc.	India, Bangladesh, Bhutan, Nepal
Diospyros punctata Decne.										+			300-1200	D	Mar-Apr	May-Jun	White	Medicinal	India, Australia, China, Malaysia, Sri Lanka,
Diospyros pyrrhocarpa Miq.					+		+	+			+		300-800	E	Apr-Jun	Jul-Oct	Dull white	Edible, Misc.	India, Indonesia, Malaysia, Philippines, Thailand
Diospyros racemosa Roxb.				+		+	+	+	+	+	+		500-1200	E	Apr-May	Oct-Dec	Pale yellow	Misc.	India, Borneo,China, Penninsular Malaya, Philippines, Sri Lanka, Thailand
Diospyros ramiflora Roxb.						+		+	+		+		500-1000	D	Apr-May	Oct-Nov	Pale yellow	Misc.	India, Bangladesh, Bhutan, Myanmar
Diospyros stricta Roxb.					+				+	+	+		500-1500	D	Apr-May	Oct-Dec	Geenish white	Misc.	India, Bangladesh, Bhutan, Myanmar

Diospyros toposia Buch.-Ham.						+	+			+		+	500-1200	E	Apr-May	Oct-Dec	Pale yellow	Misc.	India, Borneo,China, Penninsular Malaya, Philippines, Sri Lanka, Thailand
*Diospyros undulata*Wall. *ex* G. Don					+				+	+	+	+	400-1000	E	Apr-May	Oct-Nov	Geenish white	Misc.	India, Cambodia, Malaysia, Myanmar, Thailand, Vietnam
Diospyros variegata Kurz						+	+	+	+	+	+	+	400-1000	D	Apr-May	Oct-Dec	Yellowish white	Misc.	India, Bangladesh, Bhutan, Myanmar
ELAEAGNACEAE																			
Elaeagnus angustifolia L.		+						+					2000-2500	D	May-Jun	Aug-Oct	Silvery white	Misc.	India, Afghanistan, China, Kazakhstan, Mongolia, Pakistan, Russia, Tajikistan, Turkmenistan, Uzbekistan
Hippophae salicifolia Don	+	+	+	+	+	+	+	+					2800-3500	D	Jun-Jul	Oct-Nov	Brownish	Edible	India, Bhutan, China, Nepal
ELAEOCARPACEAE																			
Elaeocarpus acuminatus Wall. *ex* Mast.				+		+	+					+	1000-1500	E	Jul-Sep	Oct-Dec	White	Sacred	India, Bangladesh, Nepal
Elaeocarpus aristatus Roxb.				+	+	+	+	+	+		+	+	1500-2000	E	Apr-Jun	Jul-Oct	White	Medicinal, Misc	India, Bangladesh, Bhutan, Myanmar
Elaeocarpus braceanus Watt *ex* C.B. Clarke					+	+	+	+	+		+		1000-1500	E	Aug-Oct	Apr-Jun	White	Edible	India, China, Myanmar, Thailand
Elaeocarpus bracteatus Kurz				+	+	+	+	+	+		+		1000-1500	E	Mar-Apr	Jul-Oct	White	Avenue	India, Myanmar
Elaeocarpus floribundus Blume				+		+	+	+	+		+	+	1000-1500	E	Mar-Aug	Oct-Dec	White	Edible	India, Bangladesh, Bhutan, Indonesia, Malaysia, Myanmar
Elaeocarpus glandulosus Wallich *ex* Merr.				+		+	+	+	+		+		1000-2000	E	Mar-Dec	Jul-Apr	White	Medicinal, Misc	India, Bangladesh, Indonesia, Malaysia, Myanmar
Elaeocarpus integr Wall. *ex* Müll. Berol.					+		+		+			+	800-1000	E	Dec-Mar	Jul-Sep	White	Medicinal, Misc	India, Bangladesh, Indonesia, Malaysia, Myanmar
Elaeocarpus lanceifolius Roxb.				+		+	+	+	+		+	+	1500-2200	E	Mar-Aug	Oct-Dec	White	Edible, Misc	India, Bhutan, China, Indonesia, Myanmar, Nepal, Taiwan
Elaeocarpus lucidus Roxb.									+		+	+	1000-1200	E	Feb-May	Jul-Sep	White	Avenue	India, Bangladesh, Myanmar
Elaeocarpus prunifolius Wall. *ex* Müll. Berol.						+	+	+	+		+	+	1000-1500	E	Jan-Mar	Aug-Oct	White	Medicinal, Misc.	India, Bangladesh, Bhutan
Elaeocarpus tectorius Poiret				+	+	+	+	+	+		+	+	1500-2000	E	May-Jun	Aug-Oct	White	Edible, Misc	India, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka

Elaeocarpus rugosus Roxb. *ex* G. Don						+	+						1000-1500	E	Feb-Apr	Sep-Oct	White	Avenue, Misc.	India, Bangladesh, Malaysia, Myanmar
Elaeocarpus serratus L.				+	+			+	+		+		1000-1500	E	Mar-Jun	Jul-Oct	White	Edible, Medicinal	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka
Elaeocarpus sikkimensis Masters				+			+				+	+	1500-2000	E	Jan-Mar	Jul-Aug	White	Edible, Medicinal	India, Bhutan
Elaeocarpus sphaericus (Gaertn.) K. Schum.				+	+	+	+	+	+		+	+	1500-2000	E	Jan-Sep	Apr-Dec	White	Edible, Sacred	India, Bangladesh, Malaysia, Myanmar, Nepal
*Elaeocarpus stapfianus*Gagnepain						+							800-1000	E	Mar-Apr	Jun-Aug	White	Misc.	India, China
Elaeocarpus varunua Buch.- Ham.				+		+	+	+	+	+	+	+	800-1500	E	Feb-Apr	Jul-Oct	White	Misc	India, Bangladesh, Malaysia, Myanmar, Nepal
Sloanea dasycarpa (Benth.) Hemsley = *Echinocarpus dasycarpus* Benth.				+		+	+	+			+		1500-2000	E	Jul-Nov	Jan-Mar	White	Fodder	India, Bhutan, China, Nepal
Sloanea sigun (Blume) Chumann = *Echinocarpus sigun* Blume							+				+		1000-1500	E	Apr-Jul	Aug-Oct	Yellowish white	Misc.	India, Indonesia, Malaysia, Myanmar, Thailand
Sloanea sterculiacea (Benth.) Rehder & Wilson = *Echinocarpus sterculiaceus* Benth.			+	+		+	+	+					600-1000	E	Sep-Nov	Jan-Apr	White	Misc.	India, Bangladesh, Bhutan, China, Nepal
Sloanea sterculiacea var. assamica (Benth.) Coode = *Echinocarpus assamicus* Benth.						+		+					800-1000	E	Oct-Nov	Jan-Apr	White	Fodder	India, Bhutan, Myanmar
Sloanea tomentosa (Benth.) Rehder & E.H. Wilson = *Echinocarpus tomentosus* Benth.				+		+	+	+			+	+	1500-2000	E	Jul-Sep	Oct-Dec	White	Fodder	India, Bhutan, China, Myanmar, Nepal, Thailand
ERICACEAE																			
Craibiodendron henryi W.W. Sm.						+							1200-2800	E	Mar-Apr	Jun-Jul	White	Medicinal	India, China, Myanmar, Thailand
Enkianthus deflexus (Griff.) C.K. Schneid. = *Rhodora deflexa* Griff.				+	+								1000-3300	D	Apr-Jul	Jun-Jul	White, brick red, or pale yellow	Ornamental	India, Bhutan, China, Japan, Myanmar, Nepal

Lyonia ovalifolia (Wall.) Drude [14] = *Andromeda ovalifolia* Wall.	+	+	+	+	+	+	+	+	+		+	+	1500-2000	D	May-Jun	Jul-Sep	White	Fodder, Fuel	India, Bangladesh, Bhutan, Cambodia, Japan, Laos, Malaysia, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Lyonia villosa (Wall. *ex* C.B. Clarke) Hand.-Mazz. = *Pieris villosa* Wall. *ex* C.B. Clarke					+	+	+	+					1000-3600	D	May-Aug	Sep-Oct	Creamy white	Fodder, Fuel	India, Bhutan, Myanmar, Nepal
Pieris formosa (Wall.) D. Don = *Andromeda formosa* Wall.									+		+	+	1000-3600	D	May-Aug	Sep-Oct	Creamy white	Fodder, Fuel	India, Bhutan, Myanmar, Nepal
Rhododendron arboreum Sm. [15]	+	+	+	+	+	+	+	+	+		+	+	1500-3000	E	Apr-Jun	Jun-Aug	Red	Fuel, Medicinal	India, Bhutan, Nepal, Sri Lanka, Thailand, Vietnam
Rhododendron arboreum Sm. *subsp. cinnamomeum* (Wall. *ex* G. Don) Tagg = *Rhododendron cinnamomeum* Wall. *ex* G. Don				+	+	+							2600–3800	E	Apr-Jun	Jun-Aug	Pink to carmine	Fodder	India, Nepal
Rhododendron arboreum Sm. *subsp. delavayi* (Franch.) D.F. Chamb. = *Rhododendron delavayi* Franch.				+		+							2500–3200	E	May-Jun	Sep-Dec	Crimson to carmine	Fodder	India, Bhutan, Myanmar, Thailand, Vietnam
Rhododendron arboreum var. roseum Lindl.				+									1500-3000	E	Apr-Jun	Jun-Aug	Pink to carmine	Fodder	India, Bhutan, Nepal
Rhododendron decipiens Lacaita					+								3000-3500	E	Apr-Jun	Jul-Sep	Purplish pink	Misc.	India
Rhododendron delavayi var. peramoenum (Balf. f. & Forrest) T.L. Ming = *Rhododendron peramoenum* Balf. f. & Forrest				+		+	+	+					1500-3000	E	Apr-May	Aug-Oct	Crimson	Misc.	India, China, Myanmar
Rhododendron elliottii Watt *ex* Brandis				+			+	+					1500-3000	E	Apr-Jun	Jul-Sep	Crimson to carmine	Fodder, Fuel	India, Bhutan, China, Nepal
Rhododendron formosum Wall.				+			+				+		800–2300	E	Apr-May	Jul-Aug	White or pink	Fuel	India, China, Taiwan
Rhododendron grande Wight				+	+						+		1600-2900	E	May-Jun	Aug-Sep	Creamy white	Misc.	India, Bhutan, China, Nepal
Rhododendron griffithianum Wight				+	+		+	+					2100–2800	E	May-Jun	Aug-Sep	White	Medicinal, Misc.	India, Bhutan, Nepal

Rhododendron hodgsonii Hook. f.				+	+	+	+	+					3500–4000	E	May-Jun	Aug-Sep	Magenta to purple	Fuel	India, Bhutan, Nepal
Rhododendron manii Smith				+				+					1500-1800	E	May-Jun	Aug-Sep	Crimson	Misc.	India, Bhutan, China, Nepal
Rhododendron manipurensis Balf *et* Wall.				+	+		+	+					1500-3200	E	Apr-May	Jul-Aug	Creamy white	Misc.	India, Bhutan, Nepal
Rhododendron moulmainense Hook.				+		+							1500-2800	E	Mar-Apr	Jul-Dec	Yellowish white	Fuel	India, China, Indonesia, Malaysia, Myanmar, Thailand
Rhododendron sinogrande Balf. f. & W.W. Sm.				+		+		+					2100–3600	E	Apr-May	Aug-Oct	Creamy white, Pale yellow	Fuel, Misc.	India, China, Myanmar
ESCALLONIACEAE																			
Polyosma integrifolia Blume												+	1000-2400	E	Apr-May	Aug-Oct	Greenish white	Misc.	India, Cambodia, Indonesia, Malaya Paninnsula,Thailand
EUPHORBIACEAE																			
Aleurites moluccanus (L.) Willd. = *Jatropha moluccana* L.					+		+		+	+	+	+	200-1000	E	Feb-Jun	Jun-Dec	White	Medicinal	India, Bangladesh, Bhutan, Borneo, China, Java, Myanmar, Laos, Sumatra, Thailand, Vietnam
Balakata baccata (Roxb.) Esser = *Sapium baccatum* Roxb.				+	+	+	+	+	+	+	+	+	400-1200	E	Feb-Jun	Aug-Nov	Greenish yellow	Misc.	India, Bangladesh, Bhutan, Borneo, China, Malaysia, Myanmar, Sumatra, Thailand
Claoxylon longipetiolatum Kurz					+	+					+	+	500-1000	E	Feb-May	May-Jul	Creamy white	Misc.	India, Myanmar
Cleidion alongense Bennet & Subh. Chandra						+	+	+		+	+		600-1400	E	Feb-May	May-Jul	Greenish	Misc.	India, Bangladesh, Bhutan, Borneo, China, Java, Myanmar, Laos, Sumatra, Thailand, Vietnam
Cleidion spiciflorum (Burm. f.) Merr. = *Acalypha spiciflora* Burm. f.				+		+	+	+	+	+	+	+	200-1000	E	Apr-Jun	May-Oct	Yellowish Green	Medicinal	India, Australia, Bhutan, China, Malaysia, Myanmar, Nepal, Pacific islands
Croton chlorocalyx Müll. Arg.						+	+			+	+	+	300-1800	D	Apr-Jun	Jul-Nov	White	Misc.	India, Bangladesh, Bhutan, China, Myanmar,Vietnam
Croton joufra Roxb.										+	+	+	800-1300	D	Jan-May	Jun-Dec	White	Medicinal	India, Bangladesh, Bhutan, China, Myanmar,Vietnam
Croton lissophyllus Radcl.-Sm. & Govaerts							+				+		200-1700	D	Apr-Jun	Jul-Nov	White	Fiber	India, Bangladesh
Croton persimilis Müll. Arg.					+	+	+	+	+				500-1300	D	Oct-Dec	Dec-Mar	Greenish white	Medicinal	India, Bangladesh, Bhutan, China, Myanmar, Sri Lanka

Croton tiglium L.				+	+				+		+		200-2000	E	Jan-May	Jun-Dec	White	Misc	India, Bangladesh, Bhutan, China, Malaysia, Myanmar, Sri Lanka, Taiwan, Thailand
Endospermum chinense Benth.				+	+		+				+	+	200-1000	D	Apr-Jun	Jul-Oct	Green	Misc.	India, China, Myanmar, Taiwan, Thailand, Vietnam
Euphorbia neriifolia L.							+		+	+	+	+	200-2600	E	Jun-Sep	Sep-Nov	Yellowish	Medicinal, Misc.	India, China
Euphorbia nivulia Buch.- Ham.										+	+	+	200-1900	D	Jun-Sep	Sep-Nov	Green	Misc	India, Bangladesh, China, Myanmar
Excoecaria acerifolia var. cuspidata (Müll. Arg.) Müll. Arg. = *Excoecaria himalayensis var. cuspidata* Müll. Arg.											+		600-1500	E	Mar-Jul	Sep-Dec	Yellowish green	Misc	India
Excoecaria agallocha L.						+							300-1200	E	Mar-Jul	Sep-Dec	Yellowish green	Misc	India, Australia, Bangladesh, Bhutan, Cambodia, China, Japan, Malaysia, Myanmar, Pacific Island, Sri Lanka, Thailand, Taiwan, Vietnam,
Excoecaria oppositifolia Griff.				+	+	+	+	+			+		300-1200	E	Apr-Jun	Jul-Dec	Green	Timber	India, Bangladesh, China, Thailand
Homonoia riparia Lour.					+	+	+	+	+				1000-1500	E	Dec-May	May-Sep	Yellowish brown	Medicinal	India, Bhutan, Cambodia, China, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Lasiococca symphyllifolia (Kurz) Hook. f. = *Homonoia symphyllifolia* Kurz				+						+			200-1000	E	Apr-May	Jun-Aug	Green	Misc.	India
Macaranga denticulata (Blume) Müll. Arg. = *Mappa denticulata* Blume			+	+	+	+	+	+	+	+	+	+	200-1200	E	Feb-Apr	May-Aug	Greenish yellow	Fodder, Fiber	India, Bhutan, Cambodia, China, Java, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Sumatra, Thailand, Vietnam
Macaranga denticulata var. pustulata (King *ex* Hook. f.) Chakrab. & M. G. Gangop. = *Macaranga pustulata* King *ex* Hook. f.									+				600-2000	E	Nov-Jan	Jan-Jul	Greenish yellow	Fodder, Fiber	India, Bhutan, China, Myanmar, Nepal
Macaranga gamblei Hook. f.				+		+	+	+		+			600-2000	E	Apr-Jul	July-Dec	Greenish yellow	Misc.	India, Myanmar
Macaranga indica Wight			+	+	+	+	+	+	+		+	+	1000-1600	E	Jan-Jul	July-Dec	Greenish yellow	Medicinal	India, Bhutan, China, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Sumatra, Thailand, Vietnam
Macaranga lowii King *ex* Hook. f.									+		+		200-1200	E	Feb-Apr	Jun-Sep	Yellowish green	Misc.	India, China, Indonesia, Malaysia, Myanmar, Philippines, Thailand, Vietnam

Macaranga peltata (Roxb.) Müll. Arg. = *Osyris peltata* Roxb.				+		+	+	+					200-1000	E	Jan-May	Jun-Dec	Yellowish green	Misc.	India, Myanmar, Sri Lanka
Mallotus ferrugineus (Roxb.) Müll. Arg. = *Rottlera ferruginea* Roxb.						+	+		+	+	+	+	200-1600	E	Feb-May	Jun-Dec	Creamy white	Misc.	India, Bangladesh, China, Myanmar, Sri Lanka, Thailand
Mallotus khasianus Hook. f.							+			+	+		800-1500	E	Feb-May	Jun-Dec	Greenish yellow	Misc.	India, Myanmar, Thailand
Mallotus nepalensis Müll. Arg.				+	+	+	+	+		+	+		500-3000	E	May-Jul	Oct-Nov	Greenish yellow	Fuel	India, China, Myanmar, Nepal
Mallotus paniculatus (Lam.) Müll. Arg. = *Croton paniculatus* Lam.					+	+	+	+	+	+	+	+	500-1500	E	May-Jul	Oct-Nov	Greenish yellow	Fuel	India, China, Myanmar, Nepal
Mallotus philippensis (Lam.) Müll. Arg. *16* = *Croton philippensis* Lam.	+	+	+	+	+	+	+	+	+	+	+	+	200-1400	E	Jul-Jan	Oct-Mar	Greenish yellow	Medicinal, Fodder	India,Australia, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Ostodes paniculata Blume				+	+	+	+	+	+	+	+	+	300-2400	E	Jan-May	May-Dec	White	Fodder	India, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Thailand
Ostodes prainii Gand.				+		+		+	+		+		300-2400	E	Jan-May	May-Dec	White	Fodder	India, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Thailand
Sapium eugeniaefolium Buch.-Ham.				+	+	+	+	+	+	+	+	+	200-1000	E	May-Aug	Sep-Dec	Greenish yellow	Misc.	India, Borneo, Celebes, China, Malaysia, Myanmar, Philippines, Sumatra, Thailand
Sapium insigne (Royle) Benth. & Hook. f. = *Falconeria insignis* Royle	+	+	+	+	+	+	+	+	+	+	+	+	200-1000	D	Dec-Mar	Mar-Jun	Yellowish green	Poisinous	India, Bhutan, Cambodia, China, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam

Sumbaviopsis albicans (Blume) J.J. Sm. = *Adisca albicans* Blume								+		+			400-900	D	Dec-Feb	Mar-Apr	Yellow	Edible	India, Borneo, Java, Malaysia, Myanmar, Philippines, Sumatra, Thailand, Vietnam
Suregada multiflora (A. Juss.) Baill. = *Gelonium multiflorum* A. Juss.					+				+	+		+	500-1500	E	Feb-Mar	Jun-Sep	Yellow	Medicinal	India, Bangladesh, China, Malaysia, Myanmar, Thailand
Trewia nudiflora L.	+	+	+	+	+	+	+	+	+	+	+	+	500-1000	D	Feb-Apr	Nov-Dec	Yellow	Fodder	India, Bhutan, Cambodia, China, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Triadica sebifera (L.) Small *17* = *Croton sebifer* L.	+	+	+	+	+	+	+	+		+	+	+	500-1000	D	Jun-Aug	Dec-Mar	Greenish yellow	Medicinal, Misc.	India, China, Japan, Taiwan
Vernicia fordii (Hemsl.) Airy Shaw = *Aleurites fordii* Hemsl.				+	+						+		800-1200	D	Mar-May	Sep-Nov	White	Poisinous, Medicinal	India, China, Myanmar, Vietnam
Vernicia montana Lour.				+					+		+		500-1200	D	Mar-Apr	Sep-Oct	White	Misc.	India, China, Myanmar, Thailand
FABACEAE																			
Acacia auriculiformis A. Cunn. *ex* Benth.				+	+			+	+				300-1200	E	Mar-Apr	May-Sep	Yellow	Fuel, Tannin	India, Australia, Bangladesh, China, Malaysia, Mauritius, Myanmar, Nepal, New Guinea, Pakistan, Panama, Singapore, Sri Lanka, Tanzania, United States
Acacia dealbata Link [18]	+	+	+				+		+		+	+	1000-2300	D	Apr-May	Jul-Aug	Yellow	Tannin	India, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand
Acacia decurrens Willd.				+	+	+	+	+					500-1200	E	Jan-Apr	May-Aug	Yellow	Tannin	India, Australia
Acacia farnesiana (L.) Willd. = *Mimosa farnesiana* L.	+	+	+			+		+	+	+	+	+	200-800	D	Mar-Apr	May-Sep	Yellow	Fuel, Tannin	India, Australia, Bangladesh, China, Malaysia, Mauritius, Myanmar, Nepal, New Guinea, Pakistan, Panama, Singapore, Sri Lanka, Tanzania, United States
Acacia lenticularis Buch.-Ham. *ex* Wall.	+	+	+	+	+	+	+						200-800	D	Mar-Apr	May-Sep	Yellow	Fodder	India, Australia, Bangladesh, China, Malaysia, Mauritius, Myanmar, Nepal, New Guinea, Pakistan, Panama, Singapore, Sri Lanka, Tanzania, United States
Acacia modesta Wall.		+	+	+	+	+							200-800	D	Mar-Apr	May-Sep	Pale yellow	Fuel, Misc.	India, Afganistan, Pakistan
Acacia moniliformis Griseb.						+				+	+		200-800	E	Mar-Apr	May-Sep	Yellow	Avenue	India, Australia, Bangladesh, China, Malaysia, Mauritius, Myanmar, Nepal, New Guinea, Pakistan, Panama, Singapore, Sri Lanka, Tanzania, United States
Acacia polyacantha Willd. [19]	+	+	+	+	+	+	+	+	+		+	+	200-800	D	Apr-Aug	Sep-Jan	Yellow	Medicinal, Fodder, Timber	India, Bangladesh, Bhutan, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand
Acacia pseudo-eburnea J. R. Drummond *ex* Dunn	+	+	+										300-1200	D	Jan-Feb	Apr-May	Yellow	Tannin	India

Acrocarpus fraxinifolius Wight						+			+			+	1000-1200	D	Apr-May	Jul-Aug	Yellow	Misc.	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Adenanthera pavonina L.				+	+			+		+	+	+	200-1000	D	Apr-May	Jul-Aug	Pale yellow	Timber	India, Moluccas, Pakistan, Sri Lanka
Albizia arunachalensis K.C. Sahni & H.B. Naithani						+	+						200-1000	D	Apr-May	Jul-Aug	Pale yellow	Fodder	India
Albizia chinensis (Osbeck) Merr. [20] = *Mimosa chinensis* Osbeck	+	+	+	+	+	+		+	+	+	+	+	200-1800	D	Mar-May	Jun-Dec	Greenish white or yellowish	Fodder	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Albizia gamblei Prain						+	+						700-2100	D	May-Jun	Aug-Dec	White	Fodder, Avenue	India, China, Nepal
Albizia julibrissin Durazz. [21]	+	+	+	+	+	+		+	+	+	+	+	200-1200	D	May-Jul	Aug-Oct	Pink	Avenue	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Albizia kalkora (Roxb.) Prain = *Mimosa kalkora* Roxb.						+	+	+					200-2600	D	May-Jun	Aug-Oct	Villous	Avenue	India, Japan, Myanmar, Vietnam
Albizia lebbeck (L.) Benth. = *Mimosa lebbeck* L.	+	+	+	+	+	+		+	+	+	+	+	200-2600	D	Apr-May	Jul-Aug	White or yellowish	Fodder	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Albizia lucidior (Steud.) I.C. Nielsen *ex* H. Hara = *Inga lucidior* Steud.	+	+	+		+	+	+	+	+	+	+		200-1200	D	Apr-Jun	Sep-Nov	White or yellowish	Fodder, Avenue	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Albizia mollis (K. Schum.) F. Muell. = *Hansemannia mollis* K. Schum.				+				+			+		1500-2500	D	May-Jun	Aug-Dec	White	Fodder, Avenue	India, China, Nepal
Albizia odoratissima (L. f.) Benth. = *Mimosa odoratissima* L. f.	+	+	+	+	+	+	+	+	+			+	600-2000	D	Apr-Jun	Sep-Nov	White or yellowish	Fodder, Avenue	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Albizia procera (Roxb.) Benth. = *Mimosa procera* Roxb.	+		+	+	+	+		+	+	+	+	+	200-800	D	May-Sep	Sep-Feb	Yellow white	Fodder	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tanzania, Thailand, Uganda
Archidendron clypearia (Jack) I.C. Nielsen = *Inga clypearia* Jack					+	+	+	+	+		+	+	500-1800	D	Feb-Jun	Apr-Aug	White or yellowish	Misc.	India, China

Archidendron arunachalense S.S.Dash & Sanjappa						+							500-1800	D	Feb-Jun	Apr-Aug	White	Misc.	India
Archidendron nielsenianum S.S. Dash & Sanjappa						+							800-1200	D	Feb-Jun	Apr-Aug	Yellow white	Misc.	India, China
Bauhinia malabarica Roxb.	+	+	+	+	+	+	+	+	+	+	+	+	500-1800	D	Sep-Nov	Feb-Mar	Light pink	Fodder	India, Bhutan, Cambodia, China, Pakistan, Laos, Myanmar, Thailand, Vietnam
Bauhinia purpurea L. [22]	+	+	+	+	+	+		+	+	+	+	+	400-1500	D	Sep-Nov	Feb-Mar	Dark purple	Fodder	India, Bhutan, Cambodia, China, Pakistan, Laos, Myanmar, Thailand, Vietnam
Bauhinia racemosa Lam.	+	+	+	+	+	+	+	+			+	+	800-2500	D	Apr-May	Jun-Aug	yellowish	Fodder	India, Cambodia, Myanmar, Thailand, Vietnam
Bauhinia retusa Poir. [23]	+	+	+		+		+	+	+	+	+	+	800-2500	D	Sep-Nov	Feb-Mar	Creamy white	Fodder, Avenue	India, Bhutan, Cambodia, China, Pakistan, Laos, Myanmar, Thailand, Vietnam
Bauhinia semla (Buch.-Ham. *ex* Roxb.) Wunderlin = *Bauhinia retusa* Buch.-Ham. *ex* Roxb.	+	+	+	+		+				+		+	400-1500	D	Sep-Nov	Feb-Mar	Dark purple	Fodder	India, Bhutan, Cambodia, China, Laos, Myanmar, Pakistan, Thailand, Vietnam
Bauhinia variegata L. [24]	+	+	+	+	+	+	+	+	+	+		+	800-1700	D	Feb-May	Mar-Jul	Purplish white	Fodder	India, Bhutan, Cambodia, China, Laos, Myanmar, Pakistan, Thailand, Vietnam
Butea monosperma (Lam.) Taub. [25] = *Erythrina monosperma* Lam.	+	+	+	+	+	+	+	+	+	+	+	+	400-1000	D	Mar-Apr	May-Jul	Orange red	Fodder	India, Bhutan, Cambodia, China, Indonesia, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Callerya cinerea (Benth.) Schot = *Millettia cinerea* Benth.								+				+	400-1000	D	Feb-May	Mar-Jul	Yellow	Fodder	India, Cambodia, China, Pakistan, Laos, Myanmar, Thailand, Vietnam
Cassia fistula L. [26]	+	+	+	+	+	+	+	+	+	+	+	+	500-1600	D	Mar-Apr	May-Jul	Golden yellow	Fodder, Avenue, Medicinal	India, Bhutan, Cambodia, China, Indonesia, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Cassia javanica L.				+	+	+	+	+	+	+	+	+	500-1600	D	Mar-Apr	May-Jul	Yellow	Fodder, Fuel	India, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Pakistan, Philippines, Thailand, Vietnam
Cassia renigera Wall. *ex* Benth.										+			500-1600	D	Mar-Apr	May-Jul	Yellow	Ornamental, Avenue	India, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Pakistan, Philippines, Thailand, Vietnam

Cassia timorensis DC.									+	+			500-1000	D	Jun-Sep	Sep-Dec	Yellow	Medicinal	India, Australia, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Dalbergia assamica Benth.											+	+	300-1700	D	Apr-Jul	Sep-Dec	White	Misc.	India, China, Laos, Myanmar, Thailand, Vietnam
Dalbergia lanceolaria L. f.	+	+	+	+	+	+	+	+	+	+	+		100-1000	D	Mar-Apr	May-Jun	Dull white	Fodder, Timber	India, Bhutan, Nepal, Pakistan
Dalbergia latifolia Roxb.				+	+		+			+	+	+	300-1000	D	Mar-Apr	May-Jun	Dull white	Timber	India, Bhutan, Nepal, Pakistan
Dalbergia oliveri Gamble *ex* Prain						+							300-900	D	Mar-Apr	May-Jun	Dull white	Timber	India, Malaysia, Myanmar, Thailand, Vietnam
Dalbergia paniculata Roxb.							+	+		+	+		200-1000	D	Mar-Apr	May-Jun	White	Fodder	India, Malaysia, Myanmar, Thailand, Vietnam
Dalbergia pinnata (Lour.) Prain = *Derris pinnata* Lour.					+	+	+	+	+				300-1000	D	Jan-Apr	May-Jul	White	Fodder	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Dalbergia reniformis Roxb.											+		200-1500	D	Mar-Apr	May-Jun	Dull white	Timber	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Dalbergia rimosa Roxb.					+	+			+	+	+		800-1700	D	Apr-Jun	Jul-Dec	White or yellowish green	Timber	India, China, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam
Dalbergia sericea G. Don	+	+	+	+	+	+					+	+	900-1600	D	Apr-May	Jun-Sep	White	Fodder	India, Bhutan, China, Myanmar, Nepal, Vietnam
Dalbergia sissoo Roxb. [27]	+	+	+	+	+	+	+	+	+	+	+	+	300-1000	D	Mar-Apr	Jun-Nov	Yellowish white	Fodder	India, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Pakistan, Philippines, Thailand, Vietnam
Derris robusta (Roxb. *ex* DC.) Benth. = *Dalbergia robusta* Roxb. *ex* DC.						+		+	+	+	+	+	300-1000	D	Mar-Apr	Jun-Nov	White	Fodder	India, Bangladesh, China, Myanmar
Dalbergia wattii C.B.Clarke								+					300-1000	D	Mar-Apr	Jun-Nov	White	Misc.	India
Erythrina arborescens Roxb.				+	+	+	+		+	+	+	+	400-2100	D	Jul-Sep	Aug-Feb	Red	Timber, Ornamental	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Thailand
Erythrina cristae-galli Krukoff [28]			+	+				+	+		+	+	400-2200	D	Jul-Sep	Aug-Feb	Red	Timber, Ornamental	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Thailand
Erythrina fusca Lour.				+	+	+	+	+	+		+	+	1200-2500	D	Mar-Apr	Jun-Nov	Red	Timber, Ornamental	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Thailand
Erythrina stricta Roxb.				+	+	+		+			+	+	300-1400	D	Mar-Apr	Jun-Nov	Red	Timber, Ornamental	India, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam

Erythrina suberosa Roxb. [29]	+	+	+										300-2500	D	Mar-Apr	Jun-Nov	Red	Fodder	India, Bhutan, China, Nepal, Pakistan
Erythrina subumbrans (Hassk.) Merr. = *Hypaphorus subumbrans* Hassk.								+	+	+			300-600	D	Aug-Oct	Mar-Apr	Red	Timber, Ornamental	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Sri Lanka, Thailand, Vietnam
Erythrina variegata L.	+	+	+	+	+	+	+	+	+	+	+	+	400-2500	D	Feb-May	Aug-Feb	Red	Timber, Ornamental	India, Australia, Bangladesh, Cambodia, China, Indonesia, Japan, Laos, Malaysia, Myanmar, Pacific islands, Philippines, Sri Lanka, Thailand, Vietnam
Gleditsia aquatica Marshall		+											500-1000	D	Apr-Jun	Jul- Aug	Yellowiah	Misc.	India, NAmerica
Gleditsia assamica Bor							+	+	+				1200-2500	D	Mar-Apr	Jun-Nov	Yellowish white	Misc.	India
Gleditsia triacanthos L.		+			+	+					+	+	200-2500	D	Mar-May	May-Dec	Yellowish white	Misc.	India, China
Gymnocladus assamicus Kanj. *ex* P.C. Kanj.						+	+	+	+		+		1500-1800	D	Mar-May	May-Dec	White	Misc.	India
Gymnocladus chinensis Baill.					+	+	+				+	+	300-1500	D	Mar-Apr	Jun-Nov	Whitish or tinged purple	Fodder	India, China
Indopiptadenia oudhensis (Brandis) Brenan = *Piptadenia oudhensis* Brandis			+	+				+		+	+	+	200-1000	D	Mar-Apr	Jun-Nov	Yellowish white	Misc.	India, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Sri Lanka, Thailand, Vietnam
Maniltoa polyandra (Roxb.) Harms = *Cynometra polyandra* Roxb.						+		+	+	+	+		200-1000	E	Jun-Sep	Sep-Dec	Yellowish white	Timber, Misc.	India, Malaysia, Myanmar, Thailand
Millettia brandisiana Kurz												+	200-800	D	Jun-Sep	Sep-Dec	Yellow	Misc.	India, Bangladesh, Malaysia, Myanmar, Thailand
Millettia peguensis Ali (Cul.)				+	+	+		+	+		+		300-800	D	Jun-Sep	Sep-Dec	Yellow	Misc.	India, Malaysia, Myanmar, Thailand
Millettia piscidia Wight & Arn.									+				300-800	D	Jun-Sep	Oct-Dec	White	Misc.	India, Bangladesh, Bhutan, Myanmar
Millettia prainii Dunn						+	+	+	+	+	+	+	300-800	D	Mar-Apr	Jun-Sep	Purplish white	Misc.	India, Myanmar
Millettia pulchra (Benth.) Kurz = *Mundulea pulchra* Benth.									+				300-1700	D	Apr-Aug	Jun-Oct	Pale red to scarlet	Timber, Misc.	India, China, Laos, Myanmar, Vietnam
Mimosa rubicaulis Lam. *subsp. himalayana* Ohashi					+	+	+			+	+	+	300-2000	D	Apr-May	Jun-Sep	Pink	Misc.	India, Australia, Indonesia, Malaysia, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam

Ormosia assamica Yakovlev												+	800-1600	E	Jul-Oct	Oct-Nov	Pink	Misc.	India
Ormosia glauca Wall.				+			+		+		+		400-800	D	Nov-Dec	Dec-Feb	White	Fuel	India, Nepal
Ormosia pinnata (Lour.) Merr. = *Cynometra pinnata* Lour.					+	+		+		+		+	800-1600	E	Jul-Oct	Oct-Nov	Pink	Misc.	India, China
Ormosia robusta Baker						+					+	+	400-800	D	Nov-Dec	Dec-Feb	Dull white	Misc.	India, Bangladesh, Myanmar
Ougeinia oojeinensis Hochr. [30]	+	+	+	+	+	+	+	+	+	+	+	+	200-1200	D	Apr-May	Jun-Sep	White or pink	Fodder	India, Australia, Indonesia, Malaysia, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Parkia javanica (Lam.) Merr. = *Gleditschia javanica* Lam.						+		+	+	+	+	+	200-1200	D	Nov-Dec	Feb-Apr	White or pink	Misc.	India, China
Peltophorum pterocarpum (DC.) Backer *ex* K. Heyne = *Inga pterocarpa* DC.					+		+	+		+			200-800	E	Mar-Jun	Jun-Jul	Yellow	Medicinal, Misc.	India, Australia, Indonesia, Malaysia, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Peltophorum pterocarpum (DC.) Backer *ex* K. Heyne = *Inga pterocarpa* DC.						+	+		+	+	+	+	200-900	E	Mar-Jun	Jun-Jul	Yellow	Ornamental	India, Australia, Bhutan, China, Indonesia, Malaysia, Polynesia, Sri Lanka, Thailand, Vietnam
Pithecellobium bigeminum (L.) Mart. = *Mimosa bigemina* L.				+	+	+			+		+	+	200-1000	E	Mar-Jun	Jun-Jul	Greenish yellow	Timber	India, Bangladesh, Indonesia, Malaysia, Myanmar, Thailand
Pithecellobium dulce (Roxb.) Benth. = *Mimosa dulcis* Roxb.						+	+			+	+	+	300-1000	E	Mar-Jun	Jun-Jul	Greenish yellow	Timber	India, Bangladesh, Indonesia, Malaysia, Myanmar, Thailand
Pithecellobium heterophyllum (Roxb.) J.F. Macbr. = *Mimosa heterophylla* (Willd.) Roxb.						+		+		+	+		200-800	D	Mar-Jun	Jun-Jul	White or yellowish	Timber	India, Bangladesh, Indonesia, Malaysia, Myanmar, Thailand
Pithecellobium monadelphum Kosterm.					+			+	+	+	+	+	300-1000	D	Mar-Jun	Jun-Jul	White or yellowish	Misc.	India, Bangladesh, Indonesia, Malaysia, Myanmar, Thailand
Pithecellobium montanum Benth.						+	+				+		500-1800	D	Feb-Jun	Apr-Aug	Yellowish white	Tannin	India, Australia, Bangladesh, Central America, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Pongamia pinnata (L.) Pierre = *Cytisus pinnatus* L.				+	+	+	+	+	+	+	+	+	500-2000	E	May-Jun	Aug-Oct	White, Pink	Fodder	India, Australia, Bangladesh, Central America, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam

Prosopis cineraria (L.) Druce = *Mimosa cineraria* L.										+			500-1800	D	Dec-Mar	Mar-May	Creamy white	Fuel, Fodder	India, Afganistan, Pakistan
Pterocarpus marsupium Roxb.			+	+	+	+	+	+	+		+	+	200-1200	D	Feb-Jun	Apr-Aug	Creamy white	Medicinal	India, Australia, Bangladesh, Central America, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Samanea saman (Jacq.) Merr. = *Mimosa saman* Jacq.				+		+		+	+		+		200- 1000	D	Aug-Sep	Oct-Dec	Yellowish red	Medicinal, Misc.	India, China, South America
Senna floribunda (Cav.) H.S. Irwin & Barneby = *Cassia floribunda* Cav.	+	+											200-800	D	Apr-Jun	Jul-Aug	Yellow	Timber	India, Brazil, Mexico, Namerica, Pakistan
Senna siamea (Lam.) H.S. Irwin & Barneby = *Cassia siamea* Lam.				+	+	+	+	+	+	+	+	+	300-900	E	Sep-Dec	Jan-Apr	Yellow	Ornamental, Avenue	India, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Pakistan, Philippines, Thailand, Vietnam
Senna surattensis (Burm. f.) H.S. Irwin & Barneby = *Cassia surattensis* Burm. f.	+	+	+	+	+	+	+	+	+	+	+	+	200-1200	D	Apr-Jun	Jul-Aug	Yellow	Misc.	India, Australia, China, Indonesia, Malaysia, Myanmar, N. America, S.Africa, S.America, Taiwan
Vachellia nilotica (L.) P.J.H. Hurter & Mabb. = *Mimosa nilotica* L.						+	+	+	+	+	+	+	200-800	D	Mar-Apr	May-Sep	Yellow	Fodder, Misc.	India, Arabian Peninsula, Australia, Burma, Egypt, KwaZulu-Natal, Maghreb, Mozambique, Pakistan, Sahel, South Africa, Zanzibar
Xylia xylocarpa Taub.					+	+	+	+	+	+	+		200- 1000	D	Aug-Sep	Oct-Dec	Green	Medicinal	India, Cambodia, Laos, Myanmar, Thailand, Vietnam
FAGACEAE																			
Castanea sativa Mill. [31]		+		+	+						+	+	1500-2500	D	Apr-May	Aug-Sep	Green	Medicinal	India, China, Europe, Japan, N. Africa, Turkey
Castanopsis argentea (Blume) A. DC. = *Fagus argentea* Blume					+		+	+	+		+	+	1500-2500	E	Aug-Oct	Nov-Feb	Green	Edible, Misc.	India, Java, Sumatra
Castanopsis armata (Roxb.) Spach = *Quercus armata* Roxb.						+	+	+	+		+		1500-2500	E	Aug-Oct	Nov-Feb	Greenish white	Medicinal	India, China, Europe, Japan, N. Africa, Turkey
Castanopsis castanicarpa (Roxb.) Spach = *Quercus castanicarpa* Roxb.				+	+	+	+	+			+	+	1500-2800	E	Aug-Oct	Nov-Feb	Green	Edible, Misc.	India, Cambodia, Laos, Myanmar, Thailand, Vietnam
Castanopsis clarkei King *ex* Hook. f.				+		+		+	+				500-1000	E	Mar-May	Oct-Dec	Greenish white	Misc.	India, China, Myanmar
Castanopsis echinocarpa Miq.					+	+	+				+	+	1500-2800	E	Mar-May	Aug-Oct	Green	Fodder	India, Cambodia, Laos, Myanmar, Thailand, Vietnam

Castanopsis hystrix Miq.				+	+			+	+			+	1000-1600	E	Apr-Jun	Aug-Oct	Greenish white	Misc.	India, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Vietnam
Castanopsis indica (J. Roxb. *ex* Lindl.) A. DC.[32] = *Castanea indica* J. Roxb. *ex* Lindl.				+	+	+	+	+	+		+	+	1000-1500	E	Mar-May	Sep-Nov	Greenish white	Fodder	India, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Vietnam
Castanopsis kurzii (Hance) S.N. Biswas = *Quercus kurzii* Hance											+		1000-2300	E	Apr-Jun	Aug-Oct	Greenish white	Misc.	India, Myanmar, Nepal, Thailand
Castanopsis lanceifolia Hickel & A. Camus				+	+	+	+		+		+	+	1000-2300	E	Mar-May	Sep-Nov	Greenish white	Fodder	India, Bhutan, China, Laos, Myanmar, Thailand, Vietnam
Castanopsis purpurella (Miq.) N.P. Balakr. = *Castanea purpurella* Miq.					+	+		+	+		+		1000-2800	E	Mar-May	Sep-Nov	Greenish white	Misc.	India, Bhutan, China, Myanmar, Nepal
Castanopsis tribuloides (Sm.) A. DC. = *Quercus tribuloides* Sm.			+	+			+					+	1000-1500	E	Apr-May	Sep-Oct	Greenish white	Fodder	India, China, Myanmar, Nepal, Thailand
Castanopsis wattii (King *ex* Hook. f.) A. Camus = *Castanopsis tribuloides var. wattii* King ex Hook. f.				+			+					+	1000-1700	E	Jul-Sep	Aug-Oct	Greenish white	Fodder	India, China
Cyclobalanopsis helferiana (A. DC.) Oerst. = *Quercus helferiana* A. DC.				+		+		+	+		+		1000- 2500	E	Mar-Apr	Oct-Nov	Green	Fodder	India, China, Laos, Myanmar, Thailand, Vietnam
Cyclobalanopsis lamellosa (Sm.) Oerst. = *Quercus lamellosa* Sm.				+	+	+	+	+	+				1300-2500	E	Apr-May	Nov-Dec	Green	Fodder	India, Bhutan, China, Myanmar, Nepal, Thailand
Cyclobalanopsis oxyodon (Miq.) Oerst. = *Quercus oxyodon* Miq.				+	+	+	+	+	+		+		800-2800	E	May-Jun	Sep-Oct	Greenish white	Fodder	India, Bhutan, China, Myanmar, Nepal
Cyclobalanopsis rex (Hemsl.) Schottky = *Quercus rex* Hemsl.					+	+		+	+		+		1000-2000	E	May-Jun	Sep-Oct	Yellowish green	Misc.	India, China, Laos, Myanmar, Vietnam
Cyclobalanopsis semiserrata (Roxburgh) Oerst. = *Quercus semiserrata* Roxburgh				+		+	+	+	+		+		1500-2500	E	May-Jun	Aug-Oct	Green	Medicinal	India, Bangladesh, China, Indonesia, Malaysia, Myanmar, Thailand, Vietnam

Lithocarpus acuminatus (Roxb.) Rehder = *Quercus acuminata* Roxb.					+		+	+	+		+		1000-2800	E	Apr-May	Aug-Oct	Green	Fodder	India, Myanmar, Nepal, Thailand
Lithocarpus dealbatus (Hook. f. & Thomson *ex* Miq.) Rehder = *Quercus dealbata* Hook. f. & Thomson *ex* Miq.						+	+		+		+		1000-2800	E	Aug-Oct	Aug-Oct	Green	Fodder, Fuel	India, Bhutan, China, Laos, Myanmar, Thailand, Vietnam
Lithocarpus elegans (Blume) Hatus. *ex* Soepadmo = *Quercus elegans* Blume				+	+	+		+	+		+		1000-2800	E	Jul-Sep	Aug-Oct	Greenish white	Fodder	India, China, Myanmar, Nepal, Thailand
Lithocarpus fenestratus (Roxb.) Rehder = *Quercus fenestrata* Roxb.				+	+	+		+	+		+	+	1000-1700	E	Aug-Oct	Sep-Oct	Green	Fodder, Fuel	India, Bhutan, China, Laos, Myanmar, Thailand, Vietnam
Lithocarpus grandifolius (D. Don) S.N. Biswas = *Quercus grandifolia* D. Don							+		+	+	+		500-2000	E	Apr-May	Aug-Sep	Greenish white	Fodder, Fuel	India, Bhutan, China, Laos, Nepal, Myanmar, Thailand
Lithocarpus kamengensis K.C.Sahni *et* H.B. Naithani						+							1500-2000	E	Aug-Oct	Sep-Oct	Green	Fodder	India
Lithocarpus listeri (King *ex* Hook. f.) Grierson & D.G. Long = *Quercus listeri* King *ex* Hook. f.						+							2000-2500	E	May-Jun	Aug-Sep	Greenish white	Fodder, Fuel	India
Lithocarpus pachyphylla (Kurz) Rehder					+	+		+	+		+		1000-3200	E	May-Jun	Aug-Sep	Greenish white	Fodder, Fuel	India, Bhutan, China, Myanmar, Nepal
Lithocarpus polystachyus (Wall. *ex* A. DC.) Rehder = *Quercus polystachya* Wall. *ex* A. DC.				+			+		+		+		500-2500	E	May-Sep	Apr-Oct	Green	Fuel	India, Laos, Myanmar, Vietnam
Lithocarpus wrayi (King) A. Camus = *Quercus wrayi* King						+	+		+		+	+	1500-2000	E	Aug-Oct	Sep-Oct	Green	Misc.	India, Malaysia, Sumatra
Lithocarpus xylocarpus (Kurz) Markgr. = *Quercus xylocarpa* Kurz				+	+	+		+					1800-2300	E	May-Jun	Sep-Oct	Green	Fodder	India, China, Laos, Myanmar, Vietnam

Quercus acutissima Carruth.			+			+	+	+	+	+	+	+	100-2200	D	May-Jun	Sep-Oct	Green	Fodder, Fuel	India, Bhutan, Cambodia, China, Japan, Korea, Myanmar, Nepal, Thailand, Vietnam
Quercus baloot Griff.	+	+	+										2000-2700	E	Apr-May	Sep-Oct	Greenish brown	Fodder	India, Afganistan, Pakistan
Quercus brandisiana Kurz						+	+	+	+	+	+	+	400-1200	E	Mar-May	Sep-Oct	Green	Fuel	India, Myanmar
Quercus dentata Thunb.				+	+								100-2700	D	Apr-May	Sep-Oct	Green	Fodder	India, China, Japan, Korea
Quercus floribunda Lindl. *ex* A. Camus	+	+	+										1500-3000	D	Apr-May	Sep-Oct	Greenish brown	Fodder	India, Afghanistan, Nepal, Pakistan
Quercus glauca Thunb.[33]	+	+	+	+	+			+			+		1200-2200	D	Apr-May	Sep-Oct	Green	Fodder	India, China, Japan, Korea, Pakistan
Quercus griffithii Hook. f. & Thomson *ex* Miq.							+				+	+	700-2800	D	Apr-May	Sep-Oct	Greenish brown	Fodder, Fuel	India, Bhutan, China, Myanmar, Sri Lanka, Thailand
Quercus incana W. Bartram	+	+	+										2000-2700	E	Apr-May	Sep-Oct	Greenish brown	Fodder, Fuel	India, Bangladesh, Nepal, Pakistan
Quercus kamroopii D. Don					+	+					+		700-2800	D	Apr-May	Sep-Oct	Green	Fodder	India, Bangladesh
Quercus lancifolia Benth.				+			+				+		700-2800	D	Apr-May	Sep-Oct	Green	Fodder	India, Laos, Myanmar, Vietnam
Quercus lappacea (Roxb.) Rehder = *Quercus lappacea* Roxb.				+	+	+		+					2000-3000	E	Jun-Jul	Sep-Oct	Green	Fodder	India, Afganistan, Pakistan
Quercus lanata Sm. [34]	+	+	+	+	+	+	+	+	+	+	+	+	2000-3000	E	Jun-Jul	Jun-Jul	Greenish brown	Fodder	India, Bhutan, China, Myanmar, Nepal, Thailand, Vietnam
Quercus leucotrichophora A.Camus [35]	+	+	+	+		+		+					2000-3000	E	Jun-Jul	Jun-Jul	Greenish brown	Fodder	India, Bhutan, China, Myanmar, Nepal, Thailand, Vietnam
Quercus montana Willd.		+											1000-2000	E	May-Jun	Sep-Oct	Green	Misc.	India, China, Laos, Myanmar, Vietnam
Quercus oblongata Gand.					+								2000-3000	E	Jun-Jul	Sep-Oct	Green	Fodder	India, China, Japan, Korea, Pakistan
Quercus olla Kurz				+	+	+	+	+					2500-3200	D	Apr-May	Sep-Oct	Greenish brown	Misc.	India
Quercus robur (Ten.) A. DC. = *Quercus thomasii* Ten.	+	+	+		+		+				+		1700-2500	D	May-Jun	Sep-Oct	Greenish brown	Fodder	India, China, Europe
Quercus rubra L.	+	+	+										1500-2500	D	May-Jun	Sep-Oct	Yellowish green	Avenue	India, China, Japan, Korea
Quercus semecarpifolia Sm. [36]	+	+	+	+	+	+		+					2600-4000	E	May-Jun	Aug-Oct	Greenish brown	Fodder	India, Afghanistan, China, Nepal, Pakistan
Quercus serrata Thunb.				+	+		+	+			+	+	300-2000	D	Mar-Apr	Sep-Oct	Greenish brown	Fodder, Fuel	India, China, Japan, Korea
Quercus thomsoniana A. DC.				+	+	+		+					1800-2400	D	Mar-Apr	Sep-Oct	Greenish white	Misc.	India, Bangladesh, Bhutan, Myanmar

Quercus truncata King *ex* Hook. f.						+	+		+	+	+	+	700-2200	E	Jun-Aug	Aug-Oct	Greenish brown	Fodder	India, China, Myanmar, Thailand, Vietnam
Quercus undulata Torr.		+			+								1000-3000	D	Mar-Apr	Sep-Oct	Greenish white	Misc.	India, China, Myanmar, Thailand, Vietnam
GENTIANACEAE																			
Fagraea ceilanica Thunb.				+						+	+	+	500-1800	E	Apr-Aug	Aug-Nov	White	Ornamental	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam
HAMAMELIDACEAE																			
Exbucklandia populnea (R. Br. *ex* Griff.) R.W. Brown = *Bucklandia populnea* R. Br. *ex* Griff.				+	+	+		+	+	+	+	+	400-1000	E	May-Jul	Aug-Oct	Creamy white	Misc	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Thailand, Vietnam
HYPERICACEAE																			
Cratoxylum formosum (Jack) Dyer = *Elodes formosa* Jack				+	+	+	+	+	+	+	+	+	200-1000	D	Mar-Jul	Aug-Nov	Light Pink or red	Edible, Medicinal, Misc.	India, Cambodia, Malaysia, Thailand
Cratoxylum formosum (Jack) Dyer *subsp. pruniflorum* (Kurz) Gogelein = *Tridesmis pruniflora* Kurz				+		+	+			+	+	+	200-1000	D	Mar-Jun	Jun-Jul	Reddish	Timber	India, Cambodia, China, Malaysia, Thailand
Cratoxylum sumatranum Blume *subsp. neriifolium* (Kurz) Gogelein = *Cratoxylum neriifolium* Kurz				+	+	+	+	+	+			+	200-1200	D	May-Aug	Sep-Mar	Brick red	Misc.	India, Bangladesh, China, Thailand, Vietnam
ICACINACEAE																			
Apodytes dimidiata E. Mey. *ex* Arn.					+		+		+	+	+	+	500-2000	E	Feb-May	Jun-Jan	Yellowish green	Timber	India, China, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand
Gomphandra tetrandra (Wall.) Sleumer = *Lasianthera tetrandra* Wall.					+	+	+		+	+	+		500-2200	E	Feb-May	Jun-Jan	White	Timber	India, Cambodia, China, Laos, Myanmar, Sri Lanka, Thailand, Vietnam
Nothapodytes nimmoniana (J. Graham) Mabb. = *Premna nimmoniana* J. Graham				+	+			+				+	1000-2300	E	Jun-Sep	Aug-Jan	White	Medicinal	India, Cambodia, China, Indonesia, Japan, Myanmar, Philippines, Sri Lanka, Thailand
Platea latifolia Blume				+			+		+		+	+	1000- 1300	E	Feb-Apr	Jun-Nov	Green	Timber	India, Bangladesh, China, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand, Vietnam
ITEACEAE																			
Itea chinensis Hook. & Arn.				+		+	+	+		+	+		200-2400	D	Mar-May	May-Dec	White	Fiber, Fuel	India, Bhutan, China, Laos, Myanmar, Thailand, Vietnam

Itea macrophylla Wall.				+		+	+	+		+	+		500-1500	D	Mar-May	May-Dec	White	Fiber	India, Bhutan, Indonesia, Myanmar, Philippines, Thailand, Vietnam
Itea nutans Royle			+										800-2000	D	Mar-May	May-Dec	White	Fiber, Fuel	India, Nepal, Pakistan
IXONANTHACEAE																			
Ixonanthes khasiana Hook.f.											+	+	1000-1500	E	Apr-Jun	Jul-Dec	White	Misc.	India
Ixonanthes reticulata Jack											+		1000-1500	E	Apr-Jun	Jul-Dec	White	Misc.	India, China, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam
JUGLANDACEAE																			
Engelhardia roxburghiana Wall.				+	+	+	+	+	+	+	+		200-1500	E	Feb-Aug	Jan-Dec	Green	Timber	India, China,Cambodia, Indonesia, Laos, Myanmar, Pakistan, Thailand, Vietnam
Engelhardia spicata Lesch. *ex* Blume[37]	+	+	+	+	+	+	+	+	+	+	+	+	200 - 2000	E	Nov-Apr	Jan-Aug	Green	Fodder, Misc.	India, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Pakistan, Philippines,Thailand, Vietnam
Engelhardia spicata Lesch. *ex* Blume *var. colebrookeana* (Lindl. *ex* Wall.) Koord. & Valeton = *Engelhardia colebrookeana* Lindl. *ex* Wall.					+	+	+	+	+	+	+	+	200 - 2000	D	Jan-Apr	Mar-Aug	Green	Fodder	India, China, Myanmar, Nepal, Philippines, Thailand, Vietnam
Engelhardtia polystachya Radlk.						+	+					+	200-1500	D	Nov-Apr	Jan-Aug	Green	Fodder, Misc.	India, China, Myanmar, Nepal, Philippines, Thailand, Vietnam
Juglans regia L.[38]	+	+	+	+	+	+	+	+	+		+	+	1500-3300	D	Apr-May	Oct-Nov	Greenish brown	Edible, Misc.	India, Bhutan, China, Europe, Indonesia, Laos, Malaysia, Myanmar, Nepal, N.America, Pakistan, Philippines, S.Africa, N.Korea, S.Korea, Thailand, Vietnam
LAMIACEAE																			
Callicarpa arborea Roxb.[39]			+	+	+	+	+	+	+		+	+	1000-2500	E	May-Jul	Aug-Dec	Purple	Medicinal	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Callicarpa vestita Wall. *ex* C.B. Clarke				+	+	+		+					400-1500	E	May-Jul	Aug-Dec	Purple	Medicinal	India, Nepal
Clerodendrum farinosum Wall.						+		+	+				800-1500	D	Apr-Jun	Aug-Oct	Blue	Misc.	India, Bangladesh, Myanmar
Gmelina arborea Roxb. *ex* Sm.	+	+	+	+	+	+	+	+	+	+	+	+	600-1000	D	Apr-May	May-Jul	Yellow	Fodder	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Gmelina oblongifolia Roxb.											+		600-1000	D	Jun-Aug	Sep-Nov	Yellow	Timber	India, Bangladesh
Leucosceptrum canum Sm.				+	+	+		+	+		+	+	1000-2600	D	Nov-Mar	Mar-May	Yellow	Medicinal	India, Bhutan, China, Laos, Myanmar, Nepal, Vietnam

Premna bengalensis C.B. Clarke				+	+	+	+	+	+	+	+	+	100-900	D	Nov-Mar	Mar-May	Yellowish white	Misc.	India, Bangladesh, Myanmar, Nepal, Vietnam
Premna bracteata C.B. Clarke					+		+		+		+		600-1300	D	Apr-May	May-Jul	Yellow	Medicinal	India, Bangladesh, Bhutan,China
Premna corymbosa Rottler & Willd. = *Premna alstonii* Moldenke			+				+			+	+	+	200-500	D	Apr-May	Jul-Oct	Yellowish green	Medicinal	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Premna latifolia Roxb.			+									+	500-800	D	Apr-May	May-Jul	Dusty yellow	Fodder	India, Cambodia, China, Indonesia, Laos, Myanmar, Philippines, Vietnam
Premna latifolia var. mucronata C. B. Clarke										+			200-1000	D	Apr-May	May-Jul	Yellowish green	Fuel	India, Cambodia, China, Indonesia, Laos, Myanmar, Philippines, Vietnam
Premna longifolia Roxb.					+	+	+	+			+		600-1300	D	Apr-May	May-Jul	Yellow	Medicinal	India, Bangladesh, Myanmar, Nepal, Vietnam
Premna lucidula Miq.												+	500-800	D	Apr-May	May-Jul	Creamy yellow	Fodder	India, Bhutan, China, Laos, Myanmar, Nepal, Vietnam
Premna milleflora C.B. Clarke						+			+			+	600-1500	D	Apr-May	May-Jul	Yellowish green	Fodder	India
Premna mollissima Roth					+								200-1200	D	Nov-Dec	Jan-Feb	Greenish white	Fuel	India, Cambodia, China, Indonesia, Laos, Myanmar, Philippines, Vietnam
Tectona grandis L. f. [40]	+	+	+	+	+	+	+	+	+	+	+	+	200-1200	D	Jun-Aug	Sep-Dec	White	Timber	India, Indonesia, Malaysia, Myanmar
Vitex altissima L. f.					+	+	+	+	+	+	+	+	200-900	E	Jun-Aug	Sep-Dec	White	Medicinal, Timber	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Vitex canescens Kurz						+	+	+	+		+	+	200-1600	E	May-Jul	Aug-Sep	Yellow	Medicinal, Timber	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Vitex glabrata R. Br.						+		+	+		+	+	200-1000	D	May-Jul	Aug-Sep	White	Edible, Medicinal, Misc.	India, China, Indonesia, Japan, Malaysia, Philippines, Thailand
Vitex heterophylla var. undulata (Wall.) C. B. Clarke = *Vitex undulata* Wall.						+		+					200-1100	E	Apr-May	May-Jul	White	Medicinal, Fuel	India, Bangladesh, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Vitex limonifolia Wall.											+		600-1200	E	May-Jul	Aug-Sep	White	Medicinal, Misc.	India, Bangladesh, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Vitex negundo L.	+	+	+	+	+	+	+	+	+	+	+	+	300-3200	E	Apr-May	May-Jul	White	Fiber, Medicinal	India, E Africa, SE Asia, Japan, Pacific Islands
Vitex peduncularis Wall. *ex* Schauer				+	+	+	+	+	+	+	+	+	600-1200	E	May-Jul	Aug-Sep	White	Medicinal, Misc.	India, Bangladesh, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Vitex pinnata L.				+	+	+	+	+	+	+	+	+	200-1000	E	May-Jul	Aug-Sep	White	Medicinal, Misc.	India, Bangladesh, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Vitex quinata (Lour.) F.N. Williams = *Cornutia quinata* Lour.							+		+		+	+	200-1700	E	May-Jul	Aug-Sep	Dull white	Medicinal, Fuel, Misc.	India, China, Indonesia, Japan, Malaysia, Philippines, Thailand

Vitex quinata (Lour.) F.N. Williams *var. quinata*				+								+	200-1100	E	May-Jul	Aug-Sep	White	Medicinal, Timber	India, Bangladesh, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
LAURACEAE																			
Actinodaphne angustifolia Nees							+				+	+	1000-2700	E	Apr-May	Mar-Jan	Creamy white	Edible, Medicinal	India, Nepal
Actinodaphne citrata (Blume) Hayata = *Litsea citrata* Blume				+	+			+	+			+	1000-1500	D	Apr-May	Mar-Jan	Creamy white	Edible, Medicinal	India, China, Java, Myanmar, Taiwan
Actinodaphne longipes Kostermans				+	+						+		1700-2200	E	Nov-Mar	Aug-Sep	Greenish white	Misc.	India, Nepal
Actinodaphne menghaiensis J. Li											+		1000-1500	E	Apr-May	Mar-Jan	Creamy white	Misc.	India, China
Actinodaphne obovata (Nees) Blume = *Tetradenia obovata* Nees				+	+	+	+	+	+		+	+	1000-2700	E	Apr-May	Mar-Jan	Creamy white	Medicinal, Misc.	India, Bhutan, China, Nepal
Actinodaphne obovata var. wattii King								+					1000-2700	E	Apr-May	Mar-Jan	Creamy white	Misc.	India
Actinodaphne reticulata Meisn.											+		1000-2700	E	Nov-Mar	Aug-Sep	Greenish white	Fuel	India
Actinodaphne sikkimensis Meisn.				+									1000-2700	E	Nov-Mar	Aug-Sep	Greenish white	Fuel	India
Alseodaphne andersonii (King *ex* Hook. f.) Kosterm. = *Cryptocarya andersonii* King *ex* Hook. f.				+	+		+				+	+	500-1300	E	Feb-Apr	Jun-Aug	Yellow	Misc.	India, Bhutan, Myanmar, Thailand
Alseodaphne khasyana (Meisn.) Kosterm. = *Machilus khasyana* Meisn.							+	+	+	+	+		500-1300	E	Feb-Apr	Jun-Aug	Yellow	Misc.	India, Bhutan, Myanmar, Thailand
Alseodaphne owdeni R. Parker											+	+	800-1400	E	May-Jun	Jun-Aug	Greenish yellow	Fodder	India
Alseodaphne petiolaris (Meisn.) Hook. f. = *Nothaphoebe petiolaris* Meisn.									+		+	+	600-1000	E	Oct-Nov	Dec-Apr	Green	Misc.	India
Beilschmiedia aborensis Kosterm.						+							600-1200	E	May-Jul	Jul-Aug	Yellowish white	Misc.	India
Beilschmiedia assamica Meisn.				+	+	+	+	+	+		+	+	1000-2500	E	May-Jul	Jul-Aug	Yellowish white	Fuel	India, Bhutan, Myanmar, Thailand
Beilschmiedia brandisii Hook. f.						+		+			+	+	400-1000	D	Dec-Feb	Mar-Apr	Greenish yellow	Misc.	India, Bangladesh, Bhutan, Myanmar, Thailand

Beilschmiedia clarkei Hook. f.				+									200-1200	D	May-Jul	Aug- Apr	Yellow	Misc.	India
Beilschmiedia deomalica Bennet & Sum. Chandra						+							500-1500	D	May-Jul	Aug-Apr	Yellow	Misc.	India
Beilschmiedia gammieana King *ex* Hook. f.				+					+		+		1800-2500	D	Mar-May	Oct-Dec	Yellow	Misc.	India
Beilschmiedia roxburghiana Nees					+	+			+		+		800-1500	E	May-Jul	Jul-Aug	Yellow	Misc.	India, Bhutan, China, Myanmar, Nepal, Thailand
Cinnamomum bejolghota (Buch.-Ham.) Sweet = *Laurus bejolghota* Buch.-Ham.				+	+	+		+	+	+	+	+	600-1800	E	Mar-Apr	May-Jul	Yellow	Timber, Edible	India, Bangladesh, Bhutan, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Cinnamomum bhaskarii M. Gangop.						+							1200-2400	E	Mar-Apr	May-Jul	Greenish yellow	Misc.	India
Cinnamomum bishnupadae M. Gangop.											+		1500-2500	E	Mar-Apr	May-Jul	Greenish yellow	Misc.	India
Cinnamomum cacharensis Parker							+				+	+	1500-2500	E	Mar-Apr	May-Jul	Greenish white or yellowish	Medicinal, Misc.	India, Bhutan, China, Nepal
Cinnamomum camphora (L.) J. Presl *55* = *Laurus camphora* L.	+	+	+	+	+	+		+		+	+	+	600-1800	E	Apr-May	Aug-Nov	Greenish white or yellowish	Edible	India, Japan, Korea, Vietnam
Cinnamomum glanduliferum (Wall.) Meisn. = *Laurus glandulifera* Wall.			+	+	+	+		+	+		+		1200- 2500	E	Mar-May	Jul-Sep	White	Medicinal, Misc.	India,Bhutan, China, Malaysia, Myanmar, Nepal
Cinnamomum glaucescens Hand.-Mazz.				+	+	+	+	+	+		+	+	1200- 2500	E	Mar-May	Jul-Sep	Green white	Medicinal	India, China, Indonesia, Laos, Malaysia, Thailand, Vietnam
Cinnamomum heyneanum Nees						+					+		200-800	E	Mar-May	Jul-Sep	Green white	Misc.	India, China
Cinnamomum impressinervium Meisn.				+	+		+	+					2000-2600	E	Mar-May	Jul-Sep	White	Edible, Medicinal	India, Bhutan, China, Nepal, Sri Lanka
Cinnamomum iners Reinw. *ex* Blume										+			300-1000	E	Mar-Apr	May-Jun	Green	Edible, Medicinal	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Cinnamomum lohitensis M. Gangop						+							1000-2000	E	Mar-Apr	May-Jun	Green white	Medicinal	India
Cinnamomum pauciflorum Nees											+	+	400-2200	E	Mar-Aug	Sep-Oct	Green	Medicinal	India, China, Nepal
Cinnamomum sanjappae M. Gangop.						+							1100-2200	E	Mar-Aug	Sep-Oct	Green white	Misc.	India
Cinnamomum suvrae M. Gangop.											+		600-2200	E	Feb-Apr	Jun-Oct	Green white	Misc.	India

Cinnamomum tamala (Buch.-Ham.) T. Nees & Nees = *Laurus tamala* Buch.-Ham.	+	+	+	+	+	+	+	+	+		+	+	1100-2200	E	Apr-May	May-Jun	Green white	Edible, Medicinal	India, Bhutan, China, Nepal
Cinnamomum tenuipile Kosterm.				+	+	+	+	+			+		500-2100	E	Feb-Apr	Jun-Oct	Yellow	Edible, Medicinal	India, Bhutan, China, Nepal
Cinnamomum verum J. Presl		+	+						+	+			600-2200	E	Apr-May	May-Jun	Green white	Edible, Medicinal	India, Bhutan, China, Nepal, Sri Lanka
Cryptocarya amygdalina Nees				+	+	+	+		+		+	+	200-1100	E	Jun-Aug	Oct-Dec	Yellow	Edible, Medicinal	India, Bhutan, China, Nepal
Cryptocarya burkillii M. Ghngop						+							1500- 2600	E	Feb-May	Jun- Aug	Green white	Misc.	India
Cryptocarya cavei M. Ghngop					+								500-1200	E	Feb-Mar	Jun- Jul	Yellowish	Medicinal	India
Cryptocarya dekae M. Gangop.				+								+	1000-1500	E	Jun-Aug	Oct-Dec	Green white	Medicinal	India
Dehaasia arunachalensis M. Gangop						+							1000-1500	E	Jun-Aug	Oct-Dec	White	Misc.	India
Dodecadenia grandiflora Nees		+	+										2000-2600	E	Jun-Aug	Oct-Dec	White	Misc.	India, Bhutan, China, Myanmar, Nepal
Dodecadenia paniculata Hook. f.				+		+	+	+	+		+		1500- 2600	E	Jun-Aug	Oct-Dec	White	Misc.	India, Bhutan, China, Myanmar, Nepal
Endiandra firma Nees										+		+	800-1200	E	Oct-Nov	Dec- Jan	Yellowish	Misc.	India, Bangladesh, Myanmar
Iteadaphne caudata (Nees) H.W. Li = *Daphnidium caudatum* Nees				+	+	+	+	+	+	+			700-2300	E	Oct-Apr	Mar-Oct	Green	Misc.	India, China, Laos, Myanmar, Thailand, Vietnam
Lindera assamica (Meisn.) Kurz = *Aperula assamica* Meisn.											+	+	800-1200	D	Feb-May	Jun- Aug	White	Fodder	India
Lindera hamiltonii Kosterm.												+	800-1200	D	Feb-Mar	Jun- Jul	White	Misc.	India
Lindera latifolia Hook. f.				+	+		+	+			+	+	1500-3000	E	Feb-Apr	May-Nov	Yellow	Misc.	India, Bangladesh, China, Vietnam
Lindera meissneri King						+	+	+	+	+		+	800-1200	D	Feb-May	Jun- Aug	White	Fodder	India, Bhutan
Lindera melastomacea Fern.-Vill.				+									1500-2000	D	Feb-Apr	Jun- Aug	White	Fuel	India, Bhutan, Nepal
Lindera neesiana (Wall. *ex* Nees) Kurz = *Benzoin neesianum* Wall. *ex* Nees				+		+	+	+	+		+	+	1200-2500	D	Apr-May	Sep- Oct	Yellow	Medicinal	India, Bhutan, China, Myanmar, Nepal
Lindera neesiana (Wall, ex Nees) Kurz *var. griffithii* Hook.f.						+							1500-2000	D	Apr-May	Sep- Oct	Yellow	Misc.	India

Lindera nacusua (D.Don) Merr. = *Laurus nacusua* D. Don			+										700-2500	D	May-Jun	Jul-Oct	Brownish yellow	Medicinal	India, Bhutan, China, Myanmar, Nepal, Vietnam
Lindera nacusua (D. Don) Merr. *var. nacusua* = *Daphnidium bifarium* Nees					+							+	800-1200	D	Feb-Mar	Jun- Jul	Yellow	Misc.	India, Bangladesh, Bhutan
Lindera obtusiloba Blume				+	+								2000-3000	D	Mar-Apr	Aug-Sep	Brownish yellow	Medicinal, Misc	India, Bhutan, China, Japan, Korea, Nepal
Lindera obtusiloba var. heterophylla (Meisn.) H.B. Cui = *Lindera heterophylla* Meisn.				+		+	+						2000-3000	D	Mar-Apr	Aug-Sep	Yellow	Medicinal	India, Bhutan, China, Nepal
Lindera pulcherrima (Nees) Hook. f. = *Daphnidium pulcherrimum* Nees			+	+	+				+		+		300-3700	E	Mar-Apr	Jun-Aug	Yellow	Fodder	India, Bhutan, China, Nepal
Lindera pulcherrima (Nees) Hook. F. *subsp. thomsonii* (CK.Allen) D.G. Long											+		1500-2000	E	Feb-Apr	May-Nov	White	Fuel	India
Lindera reticulata (Nees) Benth. & Hook. f. = *Polyadenia reticulata* Nees									+		+	+	600-1000	D	Apr-Jun	Aug- Oct	Yellow	Misc.	India, Bhutan
Lindera sanjappae Bhaumik, M.K. Pathak & Chakra.						+							1500-2000	E	Feb-Apr	May-Nov	White	Misc.	India
Lindera vermae M.K. Pathak, Bhaumik & Chakrab.						+							1500-2000	E	Feb-Apr	May-Nov	White	Misc.	India
Litsea albicans (Kurz) Hook. f. = *Tetranthera albicans* Kurz				+	+	+	+	+	+				1500-2000	E	Nov-Dec	Feb-Mar	Greenish yellow	Fuel	India, Bhutan, China
Litsea angustifolia (Nees) Hook. f. = *Actinodaphne angustifolia* Nees									+	+	+	+	600-1400	E	Mar-May	Aug- Nov	Greenish yellow	Fuel	India, Bhutan
Litsea assamica Hook. f.						+					+	+	800-1200	E	Mar-May	Aug- Nov	Dull white	Fodder	India
Litsea chartacea Hook. f.								+	+				1000-2500	E	Mar-May	Aug- Nov	Dull white	Misc.	India, Bangladesh, Nepal, Malaysia, Myanmar
Litsea chinensis Lam.		+	+										1000-1500	E	May-Jun	Sep-Oct	Greenish yellow	Fodder	India, Bhutan, China, Myanmar, Nepal, Philippines, Thailand, Vietnam
Litsea citrata Blume				+	+	+	+	+	+	+	+	+	300-3200	E	Feb-Mar	Jul-Aug	Greenish yellow	Misc.	India, Bhutan, China, Myanmar, Nepal, Philippines, Thailand, Vietnam

Litsea elongata (Nees) Hook. f. = *Daphnidium elongatum* Nees	+	+	+	+	+	+		+			+	+	500-2300	E	May-Nov	Feb-Jun	Greenish yellow	Fodder	India, China, Nepal
Litsea glutinosa (Lour.) C.B. Rob. = *Sebifera glutinosa Lour.*			+	+		+	+	+	+		+		1500-2000	E	May-Jun	Sep-Oct	Greenish yellow	Fodder	India, Bhutan, China, Myanmar, Nepal, Philippines, Thailand, Vietnam
Litsea sebifera Pers. *56*						+						+	1000-1500	E	May-Jun	Sep-Oct	Greenish yellow	Fodder	India, Bhutan, China, Myanmar, Nepal, Philippines, Thailand, Vietnam
Litsea hookeri Long				+	+							+	200-1000	E	Mar-Jun	May- Sep	Yellowish brown	Fuel	India, China
Litsea khasyana Meisn.						+	+	+	+			+	600-800	E	Jun-Jul	Oct- Dec	Greenish white	Misc.	India
Litsea kingii Hook. f.				+	+						+		1000-3200	D	Feb-Mar	Jul-Aug	Greenish white	Fuel, Misc.	India, Bhutan, China, Myanmar, Nepal
Litsea kurzii King *ex* Hook. f.					+	+		+	+				300-2300	E	May-Nov	Feb- Jun	Greenish yellow	Fuel, Misc.	India, Bhutan
Litsea laeta (Nees) Hook. f. = *Tetranthera laeta* Nees						+	+		+	+	+	+	600-1000	E	Nov-Jan	Feb- Apr	Dull white	Fuel, Misc.	India, Bhutan, Nepal
Litsea meissneri Hook. f.						+	+	+	+		+		1500-2000	E	Feb-Apr	May- Jun	Dull white	Fuel, Misc.	India
Litsea membranifolia Hook. f.						+	+						1500-2000	E	Feb-Apr	May- Jun	Cream	Misc.	India
Litsea mishmiensis Hook. f.						+							1500-2000	E	Feb-Apr	May- Jun	Cream	Misc.	India
Litsea monopetala (Roxb.) Pers.= *Tetranthera monopetala* Roxb.		+	+	+	+	+		+	+	+	+	+	800-1500	E	Nov-May	Jun-Jul	Greenish yellow	Fodder	India, Bhutan, Cambodia, China, Laos, Malaysia, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Litsea nitida (Roxb.) Hook. f. = *Tetranthera nitida* Roxb.						+	+					+	800-1300	E	Mar-Apr	Jun-Jul	Cream	Misc.	India, Bangladesh, Bhutan, Peru
Litsea oblonga (Nees) Hook. f. = *Tetranthera oblonga* Nees								+			+	+	1300-2000	E	Sep-Oct	Jan- Mar	Cream	Fodder	India, Bhutan, Nepal
Litsea sericea (Wall. *ex* Nees) Hook. f. = *Tetranthera sericea* Wall. *ex* Nees				+		+		+			+		500-3400	D	Apr-May	Aug-Sep	Greenish yellow	Misc.	India, China, Nepal
Litsea panamanja (Buch.-Ham. *ex* Nees) Hook. f. = *Tetranthera panamanja* Buch.-Ham. *ex* Nees						+			+			+	1000-2000	E	Aug-Sep	Mar- Jun	Yellow	Fodder, Fuel	India, Bhutan, China, Nepal, Vietnam
Litsea robusta Blume						+					+		1000-2000	E	Aug-Sep	Mar-Jun	Yellow	Fodder	India, Indonesia, Malaysia, Nepal, Thailand

Litsea salicifolia (J. Roxb. *ex* Nees) Hook. f. = *Tetranthera salicifolia* J. Roxb. *ex* Nees				+	+	+		+	+		+		300-1200	E	Apr-May	Jun-Sep	Greenish yellow	Fodder, Fuel	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Vietnam
Litsea salicifolia (J. Roxb. *ex* Nees) Hook. f. *var. attenuata* Meissn. *ex* Hook.f.					+	+	+			+	+	+	300-1500	E	Apr-May	Jun-Sep	Greenish yellow	Misc.	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Vietnam
Litsea salicifolia (Nees) Hook.f. *var. polyneura* Hook.f.				+							+		600-1400	E	Nov-Apr	Sep-Oct	Greenish yellow	Misc.	India
Litsea semecarpifolia (Wall. *ex* Nees) Hook. f. = *Tetranthera semecarpifolia* Wall. *ex* Nees						+	+	+	+		+		600-1400	E	Nov-Apr	Sep-Oct	Greenish yellow	Fodder, Fuel	India, Bangladesh, China, Myanmar, Thailand
Litsea thomsonii Hook. F.						+		+	+				800-1300	E	Aug-Sep	Sep- Oct	Cream	Misc.	India, Nepal
Machilus edulis King *ex* Hook. f.				+	+		+				+		600-1000	E	Apr-May	Jul- Aug	White	Fuel	India, Nepal
Machilus glaucescens (Nees) Wight = *Ocotea glaucescens* Nees				+	+	+	+	+	+	+	+	+	500-800	E	Mar-Apr	May-Jun	White	Timber, Fuel	India, Nepal, Sri Lanka
Machilus globosa A. Das					+							+	600-1000	E	Apr-May	Jun- Aug	White	Fuel, Misc.	India, Nepal
Machilus kingii Hook. f.				+		+		+			+		1500-2000	E	Apr-May	Jun- Aug	White	Fuel, Misc.	India
Machilus kurzii King *ex* Hook. f.					+	+		+					2500-3000	E	Jun-Aug	Sep- Oct	White	Fuel	India, Nepal
Machilus sericea Blume	+		+		+	+			+			+	1500-2000	E	Mar-Apr	Jun- Jul	White	Misc.	India, Nepal
Neocinnamomum caudatum (Nees) Merr. = *Cinnamomum caudatum* Nees						+	+	+	+		+		800-1600	E	Jun-Sep	Oct- Dec	White	Misc.	India, Myanmar, Nepal
Neolitsea cassia (L.) Kosterm. = *Laurus cassia* L.				+			+	+	+	+	+		500-2000	E	Jun-Aug	Oct-Dec	White	Misc.	India, Indonesia, Laos, Malaysia, Thailand, Vietnam
Neolitsea cuipala (D. Don) Kosterm. = *Tetranthera cuipala* D. Don	+	+	+		+	+	+	+	+				600-1800	E	Mar-May	Jun- Jul	Greenish yellow	Fuel	India, China, Pakistan
Neolitsea foliosa (Nees) Gamble = *Tetradenia foliosa* Nees						+	+				+		1800-2500	E	Nov-Dec	Jan- Mar	Greenish yellow	Misc.	India, Bhutan, Nepal

Neolitsea pallens (D. Don) Momiy. & H. Hara = *Tetradenia pallens* D. Don	+	+	+		+	+	+						2100-2400	E	Mar-May	Jun- Jul	Greenish yellow	Misc.	India, China, Nepal, Pakistan
Neolitsea sanjappae M.K. Pathak, Bhaumik & Chakrab.						+							1500-2000	E	Nov-Dec	Jan- Mar	Greenish yellow	Misc.	India
Neolitsea zeylanica (Nees & T. Nees) Merr. = *Litsea zeylanica Nees* & T. Nees				+	+	+	+	+		+	+	+	700-1000	E	Oct-Nov	Oct-Dec	Yellowish green	Fodder	India, Australia, China, Malaysia, Sri Lanka, Thailand, Vietnam
Parasassafras confertiflorum (Meisn.) D.G. Long = *Actinodaphne confertiflora* Meisn.				+	+		+						2300-2700	E	Mar-May	Jun-Oct	White	Misc.	India, Bhutan, China, Myanmar
Persea arunachalensis M. Gangop.						+							500-1200	E	Jun-Aug	Sep-Dec	White	Misc.	India
Persea caerulea (Ruiz & Pav.) Mez = *Laurus caerulea* Ruiz & Pav.				+		+		+			+	+	500-1200	E	Jun-Aug	Sep-Dec	White	Misc.	India, Nepal
Persea clarkeana Kosterm.				+	+	+	+		+		+		1600-2500	E	Jan-Mar	Apr- Jun	White	Timber, Fuel	India, Nepal
Persea dubia (Das & P.C. Kanjilal) Kosterm.											+	+	1500-2200	E	Oct-Nov	Oct-Dec	Yellowish green	Misc.	India
Persea duthiei (King) Kosterm. = *Machilus duthiei* King	+	+	+	+	+			+			+		1500-2700	E	May-Jun	Aug-Oct	Yellowish green	Timber	India, Bhutan, China, Nepal, Pakistan
Persea fructifera Kosterm.					+	+	+		+	+	+		500-1000	E	May-Jun	Aug-Oct	Yellowish green	Timber	India, Bhutan, China, Nepal, Pakistan
Persea gamblei (King *ex* Hook. f.) Kosterm.	+	+	+	+		+		+	+	+	+	+	500-1500	E	Oct-Dec	Jan- Mar	Pale white	Misc.	India, Bhutan, China, Myanmar, Nepal
Persea gammieana Kosterm.						+		+			+		1800-2500	E	Jan-Mar	Apr- Jun	White	Timber, Fuel	India, Nepal
Persea globularia Kosterm.											+	+	800-1300	E	Apr-Jun	Oct- Dec	White	Misc.	India
Persea haridasanii M. Gangop.						+							800 - 2100	E	Mar-Apr	May-Jun	White or yellowish	Medicinal, Misc.	India
Persea kingii Kosterm.				+					+		+	+	800-1300	E	Apr-Jun	Oct- Dec	White	Timber	India, Nepal
Persea listeri Kosterm.						+	+				+		600-1000	E	Jan-Mar	Apr- Jun	White	Misc.	India, Bhutan, Nepal
Persea lohitensis M. Gangop.						+							800 - 2100	E	Mar-Apr	May-Jun	White or yellowish	Misc.	India
Persea minutiflora Kosterm. = *Machilus parviflora* Meisn.											+		800-1300	E	Mar-Apr	May-Jun	White or yellowish	Misc.	India

Persea odoratissima (Nees) Kosterm. = *Machilus odoratissimus* Nees		+	+	+	+	+	+	+	+	+	+	+	800 - 2100	E	Mar-Apr	May-Jun	White or yellowish	Medicinal, Misc.	India, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Persea pallida (Nees) Oliv. = *Phoebe pallida* (Nees) Nees			+	+		+	+	+			+		1500- 2100	E	Mar-May	Jun-Aug	Pale white	Fodder	India, Bhutan, Nepal
Persea parviflora (Sw.) Spreng. = *Laurus parviflora* Sw.							+		+	+	+	+	800-1300	E	Jan-Mar	Apr-Jun	White	Timber, Fuel	India, Nepal
Persea sharmae M. Gangop.									+		+		500-1200	E	Jun-Aug	Sep-Dec	White	Misc.	India, Nepal
Persea sikkimensis M. Gangop.				+									500-1500	E	Jun-Aug	Sep-Dec	White	Misc.	India
Persea wallichii Long				+	+		+				+		500-1000	E	Mar-Apr	May-Jun	White	Fodder	India, Nepal
Phoebe attenuata (Nees) Nees = *Ocotea attenuata* Nees				+	+	+		+	+	+	+	+	600-1000	E	Mar-Apr	Jun-Oct	Pale yellow	Fodder	India, Bhutan, Nepal
Phoebe baishyae M. Gangop.						+							500-1500	E	Jun-Aug	Sep-Dec	White	Misc.	India
Phoebe cathia (D. Don) Kosterm. = *Cinnamomum cathia* D. Don						+	+						600-1000	E	Mar-Apr	Jun-Oct	Pale yellow	Misc.	India, Bhutan, Nepal
Phoebe cooperiana P.C.Kanj. & Das						+			+		+		600-1300	E	Apr-May	Jul-Aug	Pale yellow	Misc.	India
Phoebe goalparensis Hutch.						+	+				+		800-1500	E	Feb-Apr	Jun-Aug	Pale yellow	Misc.	India, Nepal
Phoebe hainesiana Brandis								+					400-1500	E	Feb-Apr	Jun-Aug	Pale yellow	Misc.	India, Nepal
Phoebe lanceolata (Nees) Nees	+	+	+	+	+	+		+	+	+	+	+	300-1400	E	Apr-May	Jul-Sep	Yellowish green	Fodder	India, Bhutan, Indonesia, Malaysia, Nepal, Thailand
Phoebe paniculata (Nees) Nees = *Ocotea paniculata* Nees							+			+	+	+	600-1000	E	Mar-May	Jun-Aug	Pale white	Fuel	India, Bhutan, Myanmar, Nepal
LECYTHIDACEAE																			
Barringtonia acutangula (L.) Gaertn. = *Eugenia acutangula* L.						+	+		+	+		+	400-1800	E	May-Sep	Sep-Nov	Red	Fodder, Edible, Medicinal, Misc.	India, Afghanistan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam,
Careya arborea Roxb.	+	+	+	+		+		+	+	+	+	+	500-1000	D	May-Sep	Sep-Nov	Creamy white	Fodder	India, Afghanistan, Laos, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand

Couroupita guianensis Aubl.				+		+	+	+		+			400-1800	D	Jan-May	May-Sep	Yellowish red	Misc.	India, Afghanistan, Laos, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand
LOGANIACEAE																			
Strychnos nux-blanda A.W. Hill				+	+			+					300-600	D	Mar-Jun	Aug-Dec	White	Misc.	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Strychnos nuxvomica L.						+	+	+	+	+	+	+	300-600	D	Mar-Jun	Aug-Dec	Greenish white	Medicinal	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
LYTHRACEAE																			
Duabanga grandiflora (Roxb. *ex* DC.) Walp. = *Lagerstroemia grandiflora* Roxb. *ex* DC.				+	+	+	+	+	+				200-1800	E	Mar-Apr	Jun-Jul	White	Timber	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Lagerstroemia microcarpa Wight						+				+	+		200-1200	D	Jun-Sep	Nov-Feb	White	Ornamental, Misc.	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Lagerstroemia minuticarpa Debb. *ex* P.C. Kanjilal				+								+	500-1500	D	Jun-Sep	Nov-Feb	White	Ornamental, Misc.	India
Lagerstroemia speciosa (L.) Pers. [41] = *Munchausia speciosa* L.	+	+	+	+	+	+	+	+	+	+	+	+	200-1800	D	Jun-Sep	Sep-Nov	Purple	Ornamental, Misc.	India, Cambodia, China, Indonesia, Malaysia, Myanmar, Philippines, Sri lanka, Thailand, Vietnam
MAGNOLIACEAE																			
Alcimandra cathcartii (Hook. f. & Thomson) Dandy = *Michelia cathcartii* Hook. f. & Thomson				+	+	+	+	+	+		+	+	1500-2200	E	Mar-Jun	Jul-Aug	Creamy white	Timber	India, Myanmar, Vietnam
Manglietia insignis (Wall.) Blume = *Magnolia insignis* Wall.				+		+	+	+		+	+	+	400-1500	E	May-Jul	Sep-Jan	White	Timber	India, China, Myanmar, Nepal, Thailand, Vietnam
Liriodendron tulipifera L.		+		+	+	+	+	+			+		1600-2000	D	Mar-Apr	Jun-Jul	Greenish yellow	Ornamental, Misc.	India, China, Myanmar, N America
Magnolia griffithii Hook. f. & Thomson						+		+			+		300-1000	E	Mar-May	Aug-Sep	Pale white	Ornamental	India, Bangladesh, Myanmar
Magnolia gustavii King						+	+	+	+	+			300-1000	E	May-Sep	Oct-Jan	White	Ornamental, Misc.	India
Magnolia hookeri (Cubitt & W.W. Sm.) D.C.S. Raju & M.P. Nayar = *Manglietia hookeri* Cubitt & W.W. Sm.				+	+	+		+	+		+	+	500-1500	E	Mar-May	Jun-Jul	White	Ornamental, Timber	India, Myanmar
Magnolia kingii (Dandy) Figlar = *Michelia kingii* Dandy					+	+			+		+	+	300-1000	E	Mar-May	Jun-Jul	White	Ornamental	India, Bangladesh

Magnolia pealiana King						+		+	+				1500-2500	E	Mar-May	Jun-Jul	White	Ornamental	India, Bangladesh, Myanmar
Magnolia pterocarpa Roxb.				+	+	+	+	+		+	+	+	200-500	E	Apr-Jun	Jul-Nov	White	Timber	India, Myanmar
Magnolia rabaniana (Hook. f. & Thomson) D.C.S. Raju & M.P. Nayar = *Talauma rabaniana* Hook. f. & Thomson						+	+		+		+		600-1500	E	Apr-Jun	Sep-Oct	White	Ornamental	India, Bangladesh, Myanmar
Manglietia caveana Hook. f. & Thomson = *Magnolia caveana* (Hook. f. & Thomson) D.C.S.Raju & M.P. Nayar						+	+	+		+	+		200-900	E	Mar-Apr	Jun-Jul	White	Ornamental, Misc.	India, China, Myanmar
Michelia glabra P. Parm.				+	+	+		+	+	+	+	+	300-1000	E	Aug-Sep	Oct-Nov	White	Timber, Misc.	India, Bangladesh
Michelia mannii King					+	+		+		+			200-1000	E	Oct-Dec	Apr-May	White	Ornamental	India, Bangladesh
Michelia montana Blume					+	+		+				+	1200-1800	E	Apr-Jun	Sep-Oct	White	Ornamental	India, Bangladesh, Myanmar
Michelia oblonga Wall. *ex* Hook. f. & Thomson					+	+	+		+	+	+	+	200-1200	E	Feb-May	Jul-Oct	White	Timber	India, Bangladesh
Michelia punduana Hook. f. & Thomson				+	+	+		+			+		1000-1600	E	Oct-Jan	Feb-Mar	White	Misc.	India, Bangladesh
Michelia velutina DC.				+	+	+	+	+			+	+	1200-2000	E	Jul-Sep	Sep-Dec	White	Ornamantal	India, Nepal
Michelia wardii Dandy = *Michelia doltsopa* Buch.-Ham. *ex* DC.						+		+			+		100-1000	E	Jul-Sep	Sep-Oct	White	Misc.	India, China
Pachylarnax pleiocarpa Dandy						+			+			+	200-1200	D	Aug-Sep	Sep-Oct	Yellowish	Misc.	India, China, Nepal
Paramichelia baillonii (Pierre) H.H. Hu =*Michelia baillonii* (Pierre) Finet & Gagnep.							+	+	+	+	+	+	200-1000	D	Aug-Sep	Sep-Oct	White	Misc.	India, China, Myanmar
MALVACEAE																			
Bombax ceiba L. [42]	+	+	+	+	+	+	+	+	+	+	+	+	300-1500	D	Feb-Mar	Apr-May	Red	Medicinal, Fodder	India, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand
Colona flagrocarpa (C.B. Clarke) Craib = *Columbia flagrocarpa* C.B. Clarke					+	+	+	+	+	+	+		800-1500	D	Jun-Sep	Sep-Dec	Yellow	Medicinal, Fodder	India, Bangladesh, Laos, Myanmar, Thailand, Vietnam
Colona floribunda (Wall. *ex* Kurz) Craib = *Columbia floribunda* Wall. *ex* Kurz						+	+	+	+	+	+	+	300-2000	D	Jan-Aug	Nov-Jan	Yellow	Misc.	India, China, Myanmar, Thailand, Vietnam
Eriolaena hookeriana Wight & Arn.				+	+	+			+		+		500-1200	D	Mar-Jun	Nov-Jan	Yellow	Misc.	India

Eriolaena spectabilis (DC.) Planch. *ex* Mast. = *Wallichia spectabilis* DC.						+		+			+	+	500-1300	D	Mar-May	Jun-Oct	Yellow	Misc.	India, Bhutan, Nepal
Firmiana colorata (Roxb.) R. Br. = *Sterculia colorata* Roxb.			+	+	+	+	+	+	+	+	+	+	200-1000	D	Feb-Apr	Apr-Jun	Red	Misc.	India, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand
Firmiana fulgens K. Schum.	+		+	+	+								200-1000	D	Mar-May	May-Jun	Creamy white	Misc.	India, Indonesia, Myanmar, Nepal
Firmiana simplex (L.) W. Wight = *Hibiscus simplex* L.	+	+	+			+			+				500-1200	D	Oct-Mar	Feb-Apr	Yellow	Medicinal, Edible	India, Malaysia, Sri Lanka
Grewia abutilifolia Vent. *ex* Juss.				+	+		+	+		+	+	+	500-1200	D	Throughout year	Throughout year	Yellow	Fiber	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam
Grewia asiatica L. [43]	+	+	+	+	+	+					+		1000-1600	D	Nov-Aug	Jan-Sep	Yellow	Fiber, Fodder	India, Bangladesh, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand,
Grewia denticulata Wall. *ex* Prain						+	+	+	+		+		800-1200	D	May-Sep	Dec-Feb	White	Fiber, Fodder	India, Myanmar
Grewia elastica Royle			+	+		+			+		+	+	1000-1600	D	Feb-Aug	May-Nov	Yellow	Fodder	India, Bangladesh, Bhutan, Myanmar, Nepal
Grewia glabra Blume		+	+										500-1200	D	Apr-Dec	Jun-Mar	Yellow	Fodder	India, Malaysia, Myanmar, Pakistan
Grewia multiflora Juss.				+		+	+	+	+		+	+	300-2200	D	Apr-Dec	Jan-Mar	Greenish white	Fiber, Fodder	India, Australia, Bhutan, China, Malaysia, Myanmar, Nepal, Pakistan, S Africa
Grewia nervosa (Lour.) Panigrahi = *Grewia microcos* L.				+	+	+	+	+	+		+	+	1000-1600	D	Mar-Dec	Jan-Mar	Yellowish white	Fiber, Fodder	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Grewia optiva Drumm. *ex* Burret = *Grewia oppositifolia* Buch.-Ham. *ex* Roxb.	+	+	+	+	+	+	+						800-2000	D	Apr-Sep	Jun-Nov	White	Fodder	India, Bhutan, Nepal, Pakistan
Grewia rothii DC.				+		+	+	+					200-900	D	Apr-Oct	Jun-Dec	White	Fodder	India, Africa, Bangladesh
Grewia sclerophylla Roxb. *ex* G. Don	+	+	+	+	+	+	+	+			+		1000-1600	D	Apr-Sep	Jun-Jan	White	Fiber, Fodder	India, Bangladesh, Myanmar
Grewia tiliifolia Vahl			+	+		+		+	+	+			300-1400	D	Jan-Sep	May-Oct	Yellow	Fodder	India, S Africa, Sri Lanka
Heritiera dubia Wall.											+	+	500-1500	E	Jan-Sep	Jul-Dec	Creamy white	Misc.	India
Heritiera littoralis Aiton										+	+		600-1500	E	Jul-Oct	Aug-Mar	Greenish white	Misc.	India, Australia, China, Malaysia, Myanmar, S.Africa, Taiwan, Thailand
Heritiera macrophylla Wall. *ex* Kurz					+	+	+		+		+	+	500-1600	E	Jul-Aug	Jul-Jan	Yellowish white	Misc.	India, China, Myanmar
Heritiera papilio Bedd.						+			+		+	+	600-1500	E	Jan-Sep	Jul-Dec	Creamy white	Misc.	India, Bangladesh

Kydia calycina Roxb.	+	+	+	+	+		+	+	+	+	+	+	500-1600	E	Sep-Nov	Nov-Feb	Pink	Fodder	India, Bhutan, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Kydia calycina Roxb. *var. glabrescens* (Mast.) Deb										+			600-1200	D	Sep-Oct	Oct-Jan	Light pink	Fodder	India, Bhutan, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Kydia glabrescens Mast.				+	+		+	+	+	+	+	+	500-1100	D	Sep-Oct	Oct-Jan	Light purple	Fodder	India, Bhutan, China, Pakistan
Nayariophyton zizyphifolium (Griff.) D.G. Long & A.G. Mill. = *Kydia zizyphifolia* Griff.				+	+			+	+		+	+	300-2200	D	May-Aug	Sep-Oct	White	Misc.	India, Bhutan, China
Pachira aquatica Aubl.								+	+	+	+	+	200-800	D	Jan-Mar	Apr-May	Red	Timber	India, Myanmar
Pterocymbium tinctorium (Blanco) Merr. = *Heritiera tinctoria* Blanco										+			500-1200	D	Feb-Mar	Mar-May	Pale white	Fiber	India, Bangladesh, Cambodia, Laos, Myanmar, Sri Lanka, Thailand,
Pterospermum acerifolium (L.) Willd.				+	+	+	+	+	+	+	+	+	300-1000	E	Mar-Nov	Jul-Dec	Yellow	Fodder	India
Pterospermum javanicum Jungh.						+					+		300-1000	E	Mar-Apr	Apr-Jul	White	Misc.	India, Bhutan, Malaysia, Myanmar
Pterospermum lanceaefolium Roxb.				+	+	+		+	+	+	+	+	500-1300	E	May-Jun	Oct-Apr	Pale white	Fiber	India, Bangladesh, Myanmar, Nepal
Pterospermum semisagittatum Buch.-Ham.								+	+	+			500-1000	E	May-Jun	Jul-Nov	White	Fiber	India, Bangladesh, Cambodia, Laos, Myanmar, Sri Lanka, Thailand
Pterygota alata (Roxb.) R. Brown = *Sterculia alata* Roxb.				+		+		+	+	+	+		300-2000	D	Dec-Mar	Jul-Mar	Reddish	Ornamental	India, Bangladesh, Bhutan, China, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Reevesia wallichii Benn.				+	+	+	+	+	+		+		500-1000	D	May-Oct	Jun-Oct	White	Misc.	India, Bhutan
Sterculia balanghas L. *var. glabrescens* Mast.				+	+	+							500-1000	D	Sep-Dec	Apr-Jun	Yellow or greenish-purple	Misc.	India, Myanmar, Sri Lanka
Sterculia guttata Roxb.						+							200-1200	D	Sep-May	Feb-Aug	Pinkish white	Fiber	India, Malaysia, Sri Lanka
Sterculia khasiana King											+		500-1000	D	Sep-Dec	Apr-Jun	Pinkish white	Fiber	India
Sterculia kingii Prain				+	+	+	+	+					500-1200	D	May-Jun	Jun-Aug	Yellow	Fiber	India, Bhutan
Sterculia lanceifolia Roxb.				+	+	+	+	+	+		+	+	500-1200	D	Feb-Sep	Mar-Jun	Yellowish	Edible	India, Bhutan
Sterculia maingayi Masters						+							700-1000	D	Feb-Mar	Apr-Oct	Light yellow	Misc.	India, Bhutan, Cambodia, China, Myanmar, Nepal, Thailand
Sterculia pallens Wall. *ex* King			+										500-1300	D	Feb-Apr	Apr-Jun	Yellow	Fodder	India, Pakistan

Sterculia scaphigera Wall. *ex* G. Don									+				700-1000	D	Oct-Mar	Feb-Apr	Yellow	Medicinal	India, Bhutan, Cambodia, China, Myanmar, Nepal, Thailand
Sterculia versicolor Wall.							+			+	+	+	500-1500	D	Mar-Jun	Apr-Jun	Yellow	Edible	India, Bhutan, China, Cambodia, Myanmar, Nepal, Thailand
Sterculia villosa Roxb.	+	+	+	+	+	+		+	+	+	+	+	500-1500	D	Dec-Apr	Mar-Sep	Yellow	Fiber, Edible, Misc.	India, Bhutan, Myanmar, Nepal
Tilia cordata Mill.		+	+										600-1200	D	Jun-Sep	Sep-Oct	Yellow	Misc.	India, Europe
Tilia platyphyllos Scop.		+											500-1500	D	Jun-Sep	Sep-Oct	Yellow	Medicinal	India, Europe
Tilia vulgaris Hayne		+											500-1500	D	May-Jun	Jun-Oct	Yellow	Misc.	India, Europe
MELASTOMATACEAE																			
Memecylon celastrinum Kurz								+	+	+			500-1800	E	Jun-Sep	Sep-Oct	Pink	Edible, Misc.	India, China, Myanmar, Singapore, Thailand
Memecylon edule Roxb.					+		+				+	+	500-1800	E	Aug-Dec	Dec-Jan	Purple	Edible, Misc.	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam
Memecylon umbellatum Burm. f.				+		+	+			+	+		600-1200	E	Jun-Sep	Sep-Oct	Purple	Medicinal	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam
MELIACEAE																			
Aglaia chittagonga Miq.						+		+	+		+		100-1400	E	Aug- Dec	Dec-Mar	White	Edible, Medicinal, Misc.	India, Bangladesh, Bhutan, Malaysia, Myanmar
Aglaia edulis (Roxb.) Wall.						+			+	+	+	+	800-1800	E	Apr-Sep	Sep-Nov	Yellow	Misc.	India, Bangladesh, China, Malaysia
Aglaia elaeagnoidea (A. Juss.) Benth. = *Nemedra elaeagnoidea* A. Juss.											+		300-1500	E	Nov-Mar	Mar-Aug	Yellow	Medicinal, Misc.	India, Indonesia, Malaysia
Aglaia hiernii King						+	+		+	+			100-1700	E	Nov-Mar	Mar-Aug	Yellow	Misc.	India, Indonesia, Malaysia
Aglaia khasiana Hiern						+					+	+	1200-1600	E	Apr-Sep	Sep-Nov	White	Misc.	India
Aglaia perviridis Hiern				+	+			+			+	+	100-1400	E	Mar-May	Sep-Dec	White	Edible, Medicinal, Misc.	India, Bangladesh, Bhutan, China, Laos, Malaysia, Thailand
Aglaia spectabilis (Miq.) S.S. Jain & Bennet = *Amoora spectabilis* Miq.				+	+	+	+	+	+	+	+	+	800-1200	E	Sep-Nov	Sep-Oct	Yellowish white	Medicinal, Misc.	India, Australia, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Pacific islands, Papua, Philippines, Thailand, Vietnam
Aphanamixis polystachya (Wall.) R. Parker = *Aglaia polystachya* Wall.				+	+	+	+	+	+	+	+	+	300-700	E	May-Sep	Oct-Apr	White	Medicinal, Misc.	India, Bhutan, China, Indonesia, Laos, Malaysia, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam

Azadirachta indica A. Juss.	+	+	+	+	+	+	+	+	+	+	+	+	500-1600	E	Apr-Sep	Sep-Nov	White	Medicinal, Fodder	India, Bhutan, China, Indonesia, Laos, Malaysia, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Chisocheton cumingianus Harms				+	+	+		+	+		+		300-1600	E	Jun-Jul	Oct-Nov	Creamy white	Misc.	India, Bhutan, China, Laos, Myanmar, Thailand, Vietnam
Chisocheton paniculatus (Roxb.) Hiern = *Guarea paniculata* Roxb.							+			+		+	200-600	E	Jun-Jul	Oct-Nov	Creamy white	Misc.	India, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Chukrasia tabularis A. Juss.			+	+	+	+	+	+	+		+	+	300-1600	E	Apr-May	Jul-Jan	Creamy white	Fodder, Timber	India, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Dysoxylum binectariferum (Roxb.) Hook. f. *ex* Bedd. = *Guarea binectarifera* Roxb.			+	+	+	+	+	+	+	+	+	+	500-1000	E	Apr-May	Jul-Jan	Creamy white	Medicinal, Misc.	India, Bhutan, China, Laos, Myanmar, Thailand, Vietnam
Dysoxylum excelsum Blume				+	+					+	+		200-1100	E	Sep-Nov	Apr-Jun	White	Edible, Medicnal, Misc.	India, Bhutan, China, Indonesia, Laos, Nepal, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Dysoxylum gobara (Buch.-Ham.) Merr. = *Guarea gobara* Buch.-Ham.						+		+	+		+		500-1200	E	Sep-Nov	Apr-Jun	White	Edible, Medicnal, Misc.	India, Bhutan, China, Indonesia, Laos, Nepal, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Dysoxylum grande Hiern					+	+		+					500-1200	E	May-Jul	Oct-Nov	Creamy white	Misc.	India, Bhutan, China, Indonesia, Malaysia, Thailand, Vietnam
Dysoxylum hamiltonii Hiern. = *Guarea alliaria* Buch.-Ham.				+		+	+	+			+	+	500-1000	E	Apr-May	Jul-Jan	Creamy white	Timber	India, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Dysoxylum microbotrys King									+				600-1500	E	May-Jul	Oct-Nov	Creamy white	Fodder	India, Malaysia
Dysoxylum mollissimum Blume				+	+	+		+					500-1200	E	May-Sep	Oct-Nov	Yellow	Misc.	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Philippines
Dysoxylum oliganthum C.Y. Wu					+	+	+	+	+		+		1000-1500	E	Mar-Jul	Oct-Nov	White	Misc.	India, Bhutan, China, Cambodia, Myanmar, Thailand
Dysoxylum reticulatum King				+		+		+					600-1500	E	May-Jul	Oct-Nov	Creamy white	Misc.	India, Australia, Brunei, Fiji, Indonesia, Malaysia, New Cladonia, New Zealand
Dysoxylum rugulosum King									+				600-1500	E	May-Jul	Oct-Nov	Creamy white	Misc.	India, Australia, Brunei, Fiji, Indonesia, Malaysia, New Cladonia, New Zealand
Melia azedarach L. [44]	+	+	+	+	+	+	+	+	+	+	+	+	500-2100	D	Mar-May	Oct-Dec	Greenish white	Timber, Fuel, Fodder	India, Australia, Bhutan, China, Indonesia, Laos, Nepal, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam

Melia composita Benth.				+	+	+	+	+	+	+	+	+	200-800	D	Mar-Jun	Jun-Feb	Greenish white	Medicinal, Fuel	India, Bhutan, China, Indonesia, Laos, Nepal, Philippines, Thailand, Vietnam
Melia superba Roxb.						+		+			+	+	500-2100	D	Mar-May	Oct-Dec	Greenish white	Timber, Fuel, Fodder	India, Australia, Bhutan, China, Indonesia, Laos, Nepal, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Sphaerosacme decandra T.D. Penn.				+									500-2100	D	Mar-May	Oct-Dec	Yellow	Misc.	India, Bhutan, Nepal
Swietenia macrophylla King									+				800- 1500	D	Mar-Jun	Jun-Feb	Greenish white	Medicinal, Fuel	India, Bhutan, Nepal
Swietenia mahagoni (L.) Lam. = *Cedrela mahagoni* L.										+	+		800- 1500	E	Mar-Jun	Jun-Feb	Greenish white	Medicinal, Misc.	India, N Florida
Toona ciliata M. Roem. [45]	+	+	+	+	+	+	+	+	+	+	+	+	300-2500	D	Jan-Jun	Feb-Nov	White to creamy white	Timber, Fodder	India, Australia, Bangladesh, Bhutan, China, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Pakistan, Papua, Philippines, Pacific islands, Sri Lanka, Thailand, Vietnam
Toona sinensis (A. Juss.) M. Roem. [46]= *Cedrela sinensis* A. Juss.	+	+	+	+	+	+	+	+	+	+	+	+	200-500	D	May-Jun	Jun-Feb	Creamy white	Timber	India, Australia, Bhutan, China, Indonesia, Laos, Nepal, New Guinea, Pacific islands, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Toona sureni (Blume) Merr. = *Swietenia sureni* Blume				+	+	+	+	+	+	+	+	+	700-1600	D	May-Jun	Apr-May	White, creamy white, or pale pink	Timber	India, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Papua, Thailand
Toona sureni (Blume) Merr. *var. celebica* Bahadur						+		+			+		300-1000	D	Jul-Jan	Jan-Feb	Creamy white	Timber, Fuel	India, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Papua, Thailand
Trichilia connaroides (Wight & Arn.) Bentv. [47]			+	+	+	+	+	+	+		+	+	200-1200	E	Apr-Jun	May-Jun	White or creamy white	Edible, Misc.	India, Bhutan, China, Indonesia, Laos, Nepal, Philippines, Thailand, Vietnam
Walsura robusta Roxb.						+			+	+	+	+	200- 1400	E	Feb-Mar	Apr-Jun	White	Misc.	India, Bangladesh, Bhutan, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Walsura tubulata Hiern				+							+	+	200- 1400	E	Feb-Mar	Apr-Jun	White	Misc.	India, Bangladesh, Bhutan, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
MORACEAE																			
Artocarpus chama Buch.-Ham.				+	+	+	+	+	+	+	+	+	200- 800	D	Feb-Mar	Apr-Jun		Misc.	India, Bangladesh, Bhutan, Laos, Malaysia, Myanmar, Thailand
Artocarpus gomezianus Wall. *ex* Trécul				+	+	+	+				+		200-1000	E	Feb-Mar	Apr-Jun		Edible	India, Cambodia, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Artocarpus integra Merr.							+	+	+	+		+	200-1000	E	Feb-Mar	Apr-Jun		Misc.	India, Cambodia, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam

Artocarpus lakoocha Wall. *ex* Roxb.		+	+	+	+	+		+	+	+	+	+	300-1300	D	Feb-Mar	Apr-Jun		Fodder	India, China, Indonesia, Laos, Myanmar, Nepal, Vietnam
Broussonetia papyrifera (L.) L'Hér. *ex* Vent. [48] = *Morus papyrifera* L.		+	+	+	+	+	+	+			+	+	300-1200	D	Apr-May	Jun-Jul		Fiber, Edible	India, Cambodia, China, Japan, Korea, Laos, Malaysia, Myanmar, N. America, Pacific Islands, Thailand, Vietnam
Ficus altissima Blume				+	+	+	+	+	+	+	+	+	300-2000	E	Mar-Apr	May-Jul		Fuel	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Thailand, Vietnam
Ficus arnottiana Miq.			+										300-2000	E	Mar-Apr	May-Jul		Fodder, Edible	India, Bhutan,China, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Ficus auriculata Lour. [49]	+	+	+	+	+	+	+	+	+		+	+	300-2100	E	Aug-Mar	May-Aug		Edible	India, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Ficus benghalensis L. [50]	+	+	+	+	+	+		+	+	+	+	+	300-2200	E	Jun-Jul	Aug-Sep		Fodder, Sacred	India, Bhutan, China, Indonesia, Myanmar, Nepal, Thailand, Vietnam
Ficus benghalensis L. *var. krishnae* (C. DC.) Corner = *Ficus krishnae* C. DC.								+		+	+		300-2200	E	Jun-Jul	Aug-Sep		Fodder	India, Bhutan, China, Indonesia, Myanmar, Nepal, Thailand, Vietnam
Ficus benjamina L. [51]			+	+	+	+		+	+	+	+	+	400-800	E	Jun-Jul	Aug-Sep		Medicinal, Misc.	India, Australia, Bhutan, China, Cambodia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Pacific Islands,Philippines, Thailand, Vietnam
Ficus concinna (Miq.) Miq. = *Urostigma concinnum* Miq.				+	+	+		+	+		+	+	900-2400	E	Mar-Apr	May-Jun		Misc.	India, Bhutan, China, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Ficus curtipes Corner				+	+	+		+	+	+	+		500-1400	E	Jun-Jul	Aug-Sep		Avenue	India, Bangladesh, Bhutan, China,Indonesia, Malaysia, Myanmar, Nepal,Thailand, Vietnam
Ficus cyrtophylla (Wall. *ex* Miq.) Miq. = *Covellia cyrtophylla* Wall. *ex* Miq.				+	+	+	+		+		+		500-1300	E	May-Jun	Aug-Sep		Edible	India, Bhutan, China, Myanmar, Thailand, Vietnam
Ficus elastica Roxb. *ex* Hornem.				+	+	+	+	+	+	+	+	+	200-800	E	Mar-Apr	May-Jul		Fodder	India, Burma, Java, Malaysia, Nepal
Ficus erecta Thunb.					+						+		300-1000	D	May-Jun	May-Jul		Fiber	India, China, Japan, Korea, Vietnam
Ficus fistulosa Reinw. *ex* Blume					+	+		+	+	+	+		200-600	E	Mar-Apr	May-Jul		Edible, Fuel	India, Bangladesh, China, Indonesia, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Ficus fulva Reinw.							+		+		+		200-800	E	Mar-Apr	May-Jul		Misc.	India, Brunei, China, Indonesia, Malaysia, Myanmar, Thailand, Vietnam
Ficus geniculata Kurz				+					+	+	+	+	800-1400	E	Apr-May	Jun-Jul		Misc.	India, Bhutan, China, Indonesia, Myanmar, Nepal, Thailand, Vietnam

Ficus glaberrima Blume			+	+	+	+			+		+	+	500-2800	E	May-Jul	Jul-Sep		Edible, Fiber	India, Bhutan, China, Indonesia, Myanmar, Nepal, Thailand, Vietnam
Ficus hispida L. f.	+	+	+	+	+	+	+	+	+	+	+	+	700-1500	E	Jun-Jul	Aug-Sep		Fodder, Edible	India, Australia, Bhutan, Cambodia, China, Indonesia, Japan, Laos, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Ficus hookeriana Corner				+	+	+					+		500-2000	E	Apr-May	Aug-Sep		Fodder	India, Bhutan, China, Nepal
Ficus infectoria Willd.	+	+	+	+	+	+	+	+		+	+		300-2700	E	Apr-Aug	Sep-Oct		Edible, Medicinal	India, Australia, Bhutan, Cambodia, China, Indonesia, Japan, Laos, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Ficus lamponga Miq.								+	+	+			300-2700	E	Apr-Aug	Sep-Oct		Edible, Medicinal	India, Australia, Bhutan, Cambodia, China, Indonesia, Japan, Laos, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Ficus langkokensis Drake						+	+		+		+		700-1500	D	Apr-May	Aug-Sep		Misc.	India, Australia, Bangladesh, China, Indonesia, Malaysia, Pakistan, Sri Lanaka, Thailand.
Ficus lepidosa Wall. *ex* Kurz					+	+	+	+			+	+	700-1500	D	Apr-May	Aug-Sep		Misc.	India, Australia, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Sri Lanka, Thailand, Vietnam
Ficus maclellandii King				+	+						+	+	400-1200	E	May-Jun	Jul-Sep		Fuel	India, Bangladesh, Bhutan, China, , Malaysia, Myanmar, Thailand, Vietnam
Ficus maxima Mill.			+	+	+	+	+	+	+				400-1200	E	May-Jun	Jul-Sep		Misc.	India, Bangladesh, Bhutan, China, , Malaysia, Myanmar, Thailand, Vietnam
Ficus microcarpa L.f.			+	+									300-1200	E	Apr-May	Aug-Sep		Edible	India, N America, Australia, China, Sri Lanka
Ficus mysorensis B. Heyne *ex* Roth				+	+	+		+		+	+	+	100-1500	E	Mar-Apr	May-Jul		Edible	India, Australia, Bangladesh, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Ficus neriifolia Sm.	+	+	+	+	+	+	+	+	+		+		1500-2900	D	Oct-Mar	Mar-Apr		Fodder, Edible	India, Bhutan, China, Myanmar, Nepal
Ficus nervosa B. Heyne *ex* Roth					+			+	+		+	+	400-1200	E	May-Jul	Sep-Nov		Fodder	India, Australia, Bangladesh, China, Indonesia, Malaysia, Pakistan, Sri Lanaka, Thailand
Ficus oligodon Miq.			+			+	+		+	+	+		100-1200	E	Apr-May	Jun-Jul		Fuel, Fodder	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Ficus palmata Forssk. [52]	+	+	+	+	+						+	+	300-1700	D	May-Jul	Sep-Nov		Fodder	India, Afghanistan, Arabian Peninsula, Egypt, Ethiopia, Iran, Pakistan, Somalia, Sudan

Ficus prostrata (Wall. *ex* Miq.) Miq. = *Covellia prostrata* Wall. *ex* Miq.				+			+		+		+	+	300-1700	E	Apr-May	Jun-Jul		Fodder	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Thailand
Ficus racemosa L.	+	+	+	+	+	+		+	+	+	+	+	300-1700	E	Apr-May	Jun-Jul		Edible, Medicinal, Misc.	India, Australia, Bangladesh, China, Indonesia, Malaysia, Pakistan, Sri Lanaka, Thailand
Ficus religiosa L.	+	+	+	+	+	+		+	+	+	+	+	400-1200	E	Mar-Apr	May-Jun		Fodder, Sacred	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Thailand
Ficus retusa L.			+	+	+	+	+		+	+	+	+	400-1500	E	Mar-Apr	May-Jun		Fodder	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Thailand
Ficus rigida Blume	+	+	+			+	+	+	+	+			600-1100	D	Apr-Jun	Aug-Sep		Fodder, Edible	India, Nepal
Ficus rumphii Blume	+	+	+	+	+	+	+	+		+	+	+	300-1000	D	Mar-May	Sep-Oct		Fodder	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Ficus semicordata Buch.-Ham. *ex* Sm.	+	+	+	+	+	+	+	+	+	+		+	600-2000	E	May-Sep	Sep-Oct		Edible, Medicinal, Fodder	India, Bhutan, China, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Ficus subulata Blume						+		+	+				800-1600	E	Mar-Apr	May-Aug		Misc.	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Thailand
Ficus tinctoria G. Forst.				+	+	+	+	+	+	+	+	+	300-1500	E	Nov-Dec	Jan-Mar		Edible, Medicinal, Misc.	India, Australia, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Ficus tinctoria subsp. gibbosa (Blume) Corner = *Ficus gibbosa* Blume			+	+	+	+	+	+			+	+	400-800	D	Apr-May	Jun-Jul		Fodder	India, Bhutan, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Ficus tinctoria G. Forst. *subsp. parasitica* (Willd.) Corner				+	+		+						200- 1500	E	Nov-Dec	Jan-Mar		Misc.	India, Australia, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Morus australis Poir. [53]	+	+	+	+	+	+	+	+	+	+	+	+	500-2000	D	Mar-Apr	Apr-May		Edible, Medicinal	India, Bhutan, China, Japan, Korea, Myanmar, Nepal
Morus macroura Miq.		+	+	+	+	+	+	+	+		+	+	300-2200	D	Mar-Apr	Apr-May		Misc.	India, Bhutan, China, Malaysia, Myanmar, Thailand
Morus macroura Miq. *var. laxiflora* G.K. Upadhvay & A.A. Ansari						+							1200-2700	D	Mar-Apr	May-Jun		Misc.	India
Morus serrata Roxb.	+	+	+	+	+						+	+	1200-2700	D	Mar-Apr	May- Jun		Fodder	India, Bhutan, China, Pakistan
Streblus asper Lour.	+	+	+	+	+	+	+	+		+	+	+	200-1000	E	Feb-Apr	May-Jun		Medicinal	India, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Streblus indicus (Bureau) Corner = *Pseudostreblus indicus* Bureau					+							+	200-1000	E	Feb-Apr	May-Jun		Medicinal	India, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Nepal, Philippines, Sri Lanka, Thailand, Vietnam

MYRICACEAE																			
Myrica esculenta Buch.-Ham. *ex* D. Don [54]	+	+	+	+		+	+	+	+		+	+	1600-2800	E	Aug-Feb	Nov-May	Greenish brown	Edible, Fuel	India, Bhutan, China, Myanmar, Thailand, Vietnam
Nageia nagi (Thunb.) Kuntze = *Myrica nagi* Thunb.			+			+					+		900-1800	E	Mar-May	Aug-Nov	Green	Misc.	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam
MYRISTICACEAE																			
Horsfieldia amygdalina (Wall.) Warb. = *Myristica amygdalina* Wall.						+	+	+	+	+	+	+	300-1200	E	Aug-Oct	Mar-May	Greenish yellow	Misc.	India, Bangladesh, China, Laos, Myanmar, Thailand, Vietnam
Horsfieldia kingii (Hook. f.) Warb. = *Myristica kingii* Hook. f.				+	+	+	+	+			+	+	800-1200	E	Apr-Aug	Oct-Dec	Greenish yellow	Misc.	India , China, Thailand
Knema cinerea var. glauca (Blume) Y.H. Li = *Myristica glauca* Blume					+	+	+	+	+	+	+	+	300-1500	E	Aug-Oct	Mar-May	Greenish yellow	Timber, Misc.	India, Bangladesh, China, Laos, Myanmar, Thailand, Vietnam
Knema erratica (Hook. f. & Thomson) J. Sinclair = *Myristica erratica* Hook. f. & Thomson				+	+				+				300-1500	E	Aug-Sep	Oct-Nov	White	Misc.	India, China, Malaysia, Myanmar
Knema globularia (Lam.) Warb. = *Myristica globularia* Lam.						+	+	+		+	+		200-1100	E	Dec-Mar	Jul-Sep	Creamy white	Misc.	India, China, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam
Knema linifolia (Roxb.) Warb. = *Myristica linifolia* Roxb.				+	+	+			+	+	+	+	300-1500	E	Aug-Sep	Oct-Nov	Greenish white	Fuel	India, Bangladesh, China, Myanmar
Knema malayana Warb.								+		+			300-1500	E	Nov-Feb	Jul-Sep	Greenish white	Timber, Misc.	India, Malaysia, Singapore, Thailand
Knema tenuinervia W.J. de Wilde				+	+		+				+	+	500-1000	E	Nov-Feb	Jul-Sep	Greenish white	Timber, Misc.	India, China, Laos, Nepal, Thailand
Myristica gibbosa Hook. f. & Thomson						+	+		+	+	+	+	500- 2000	E	Dec-Mar	Jul-Sep	Creamy white	Timber	India, China, Laos, Nepal, Thailand
MYRTACEAE																			
Decaspermum fruticosum J.R. & Forst.						+	+	+			+		500-2000	E	Mar-Apr	May-Jun	White or pink	Misc.	India, Cambodia, China, Indonesia, Malaysia, Myanmar, Pacific islands, Philippines, Thailand, Vietnam
Decaspermum parviflorum (Lam.) A.J. Scott = *Eugenia parviflora* Lam.				+	+				+			+	500-2000	E	Mar-Apr	May-Jun	White or pink	Misc.	India, Cambodia, China, Indonesia, Malaysia, Myanmar, Pacific islands, Philippines, Thailand, Vietnam
Eugenia anisopetala Parker					+	+	+				+	+	400-1200	E	Mar-Apr	May-Jun	White	Fuel	India, Bangladesh, Myanmar, Nepal, Thailand, Vietnam

Eugenia bifaria Wall.					+		+				+	+	600-1200	E	May-Jun	Jun-Jul	White	Misc.	India, Bangladesh, China, Myanmar, Thailand
Eugenia cuneata Duthie				+	+		+	+		+	+	+	500-1700	E	Mar-Apr	May-Jun	White	Misc.	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Eugenia diospyrifolia Wall.				+	+		+	+	+	+	+		500-1000	E	Mar-Apr	May-Jun	White	Fodder	India, Bangladesh, Nepal, Myanmar, Thailand, Vietnam
Eugenia formosa Wall.			+	+	+	+	+	+	+	+	+	+	500-1700	E	Mar-Apr	May-Jun	White	Misc.	India, Bangladesh, Nepal, Myanmar, Thailand, Vietnam
Eugenia kurzii Duthie					+		+		+			+	500-1500	E	Apr-May	Jun-Sep	White	Timber	India, Bangladesh, China, Myanmar, Thailand
Eugenia mangifolia Wall.				+	+		+	+	+	+			500-1800	E	Jan-Feb	Apr-May	White	Timber, Misc.	India, Bangladesh, China, Myanmar, N. America, Thailand
Eugenia mexicana Steud.				+	+	+		+	+	+	+	+	500-1700	E	Mar-Apr	May-Jun	White	Timber	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Eugenia polypetala Wight = *Jambosa polypetala* (Roxb.) Wall.					+	+			+				200-1200	E	Apr-May	Jun-Sep	White	Edible, Timber	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Eugenia praecox Roxb.					+		+	+		+	+	+	300-1500	E	Apr-May	Jun-Sep	Yellowish white	Timber, Misc.	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Eugenia praetermissa Gage.				+	+		+				+		300-1500	E	Mar-Apr	May-Jul	White	Timber, Fuel	India, China, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Solomon Islands, Sri Lanka, Thailand, Vietnam
Eugenia ramosissima Wall. = *Clavimyrtus ramosissima* Blume											+		300-1500	E	Apr-May	Jun-Sep	White	Misc.	India
Eugenia roxburghii DC.					+		+						300-1500	E	Mar-Apr	May-Jul	White	Misc.	India, China, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Solomon Islands, Sri Lanka, Thailand, Vietnam
Eugenia saligna (Miq.) Robinson = *Jambosa saligna* Miq.				+	+	+	+	+		+	+	+	300-1500	E	Mar-Apr	May-Jul	White	Edible, Timber	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Myrica bracteata (Rich.) DC. Chk				+			+	+			+		300-1500	E	Apr-May	Jun-Sep	Yellowish white	Timber, Misc.	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Pimenta dioica (L.) Merr. = *Myrtus dioica* L.					+	+			+	+		+	500-1800	E	Apr-May	Jun-Sep	White	Edible	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam

Syzygium aborense (Dunn) Rathakr. & Nair = *Eugenia aborensis* Dunn				+	+	+			+		+		300-1200	E	Apr-May	Jun-Sep	White	Edible, Timber	India, China, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Solomon Islands, Thailand, Vietnam
Syzygium acuminatissimum (Blume) DC. = *Myrtus acuminatissima* Blume							+				+		500-1200	E	Apr-May	Jun-Sep	White	Edible, Timber	India, China, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Solomon Islands, Thailand, Vietnam
Syzygium aqueum (Burm. f.) Alston = *Eugenia aquea* Burm.					+		+	+	+	+		+	200-1500	E	May-Jun	Jun-Jul	White	Edible	India, Bangladesh, Myanmar, Nepal, Thailand, Vietnam
Syzygium assamicum (Biswas & Purakayastha) Raizada = *Eugenia assamica* Biswas & Purkay.						+	+	+	+		+		300-1500	E	Nov-Dec	Jan-Feb	White	Edible	India, China, Myanmar, Thailand, Vietnam
Syzygium balsameum (Wight) Wall. *ex* Walp. = *Eugenia balsamea* Wight				+		+	+	+			+		500-1500	E	Nov-Dec	Jan-Feb	White	Timber	India, China, Myanmar, Thailand, Vietnam
Syzygium claviflorum (Roxb.) Wall. *ex* Steud. = *Eugenia claviflora* Roxb.				+	+	+	+	+	+		+		300-1300	E	Mar-Apr	May-Jun	Pink, Red	Edible, Misc.	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Syzygium cumini (L.) Skeels [55] = *Myrtus cumini* L.	+	+	+	+	+	+		+	+	+	+	+	300-1200	E	Apr-May	Jun-Sep	White	Edible, Medicinal, Fodder	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Syzygium cymosum (Lam.) DC. = *Eugenia cymosa* Lam.					+		+		+			+	300-1500	E	Nov-Dec	Jan-Feb	White	Edible, Medicinal, Fodder	India, China, Myanmar, Thailand, Vietnam
Syzygium densiflorum Wallich *ex* Wight & Arn.							+		+	+			300-1200	E	Apr-May	Jun-Sep	White or light purple	Edible, Misc.	India, Australia, Bhutan, China, Indonesia, Laos, Malaysia, Nepal, Sri Lanka, Thailand, Vietnam
Syzygium fruticosum DC.				+	+	+	+	+	+	+	+	+	500-1700	E	May-Jun	Jun-Jul	White	Misc.	India, Bangladesh, China, Myanmar, Thailand
Syzygium grande (Wight) Walp. = *Eugenia grandis* Wight					+	+	+		+	+	+	+	300-1200	E	Mar-Apr	May-Jun	Creamy white	Edible, Misc.	India, Australia, Bhutan, Indonesia, Malaysia, Myanmar, New Guinea, Papua, Thailand, Vietnam
Syzygium jambos (L.) Alston. = *Eugenia jambos* L.				+	+	+		+	+		+	+	800-2000	E	Mar-Apr	May-Jun	White	Edible	India, Bangladesh, China
Syzygium khasianum (Duthie) N.P. Balakr.= *Eugenia khasiana* Duthie											+	+	600-1700	E	Apr-May	Jun-Sep	White	Misc.	India, Bangladesh, China, Myanmar, Thailand
Syzygium malaccense (L.) Merr. & L.M. Perry = *Eugenia malaccansis* L.					+	+					+	+	500-1700	E	Jan-Feb	Apr-May	Red	Edible	India, Bangladesh, China, Myanmar, N. America, Thailand

Syzygium megacarpum Rathakr. & N.C. Nair						+	+	+	+	+	+		300-1200	E	Apr-Oct	Jul-Oct	White	Edible	India, Bangladesh, Myanmar, Thailand, Vietnam
Syzygium mishmiense Chatterjee						+							300-1200	E	Apr-Oct	Jul-Oct	White	Misc.	India
Syzygium nervosum DC.			+	+	+	+	+	+		+	+	+	200-600	E	May-Jun	Jun-Aug	White	Edible, Misc.	India, Australia, China, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam
Syzygium oblatum (Roxb.) Wallich *ex* Cowan & Cowan = *Eugenia oblata* Roxb.				+	+	+	+		+		+	+	500-1000	E	Apr-May	Nov-Jan	White	Edible	India, Bangladesh, Cambodia, Indonesia, Malaysia, Thailand, Vietnam
Syzygium samarangense (Blume) Merr. & L.M. Perry = *Myrtus samarangensis* Blume							+	+		+	+		800-2000	E	Jul-Aug	Nov-Jan	White	Edible	India, Bhutan, China, Myanmar, Nepal, Thailand
Syzygium syzygioides(Miq.) Merr. & Perry = *Jambosa syzygioides* Miq.						+	+		+	+	+		800-2000	E	Jul-Aug	Nov-Jan	White	Edible, Misc.	India, Bhutan, Myanmar, Nepal, Thailand
Syzygium tetragonum (Wight) Wall. *ex* Walpers. = *Eugenia tetragona* Wight				+	+	+		+		+	+	+	800-2000	E	Jul-Aug	Nov-Jan	White	Edible, Misc.	India, Bhutan, China, Myanmar, Nepal, Thailand
Syzygium venosum DC.	+	+	+	+	+	+	+	+	+	+	+		500-1000	E	Jul-Aug	Nov-Jan	White	Edible, Misc.	India, Bhutan, China, Myanmar, Nepal, Thailand
NYSSACEAE																			
Mastixia pentandra Blume													300–1400	E	May-Jun	Sep-Oct	Yellowish or greenish	Misc.	India, Cambodia, China, Malaysia, Myanmar, Thailand, Vietnam
Mastixia pentandra Blume *subsp. chinensis* (Merr.) K.M. Matthew = *Mastixia chinensis* Merr.				+		+	+				+		300-900	E	May-Jun	Sep-Oct	Yellowish or greenish	Misc.	India, Cambodia, Vietnam
Mastixia rostrata Blume							+	+	+				300-1500	E	May-Jun	Sep-Oct	Yellowish or greenish	Misc.	India, Cambodia, China, Malaysia, Myanmar, Thailand, Vietnam
Nyssa javanica (Blume) Wangerin = *Agathisanthes javanica* Blume				+	+	+		+			+		300-2500	D	Apr-May	Oct-Nov	Yellowish or greenish	Edible, Misc.	India, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, Vietnam
Nyssa sylvatica Marshall					+		+	+			+		300-2500	D	Apr-May	Oct-Nov	Greenish white	Avenue	India, N. America

OCHNACEAE																			
Ochna integerrima (Lour.) Merr. = *Elaeocarpus integerrimus* Lour.							+				+		1000-1800	D	Mar-Jun	Jun-Jul	Reddish	Medicinal, Misc	India, Bhutan, China, Indonesia, Laos, Malaysia, Myanmar, Vietnam
Ochna jabotapita L.						+	+	+		+			500-1000	D	Mar-Jun	Jun-Jul	Yellowish	Medicinal	India, Sri Lanka
Ochna squarrosa L.				+	+				+		+	+	400-1000	D	Mar-Jun	Jun-Jul	Yellowish	Medicinal	India, Bangladesh
Ochna wallichii Planch.						+				+	+	+	400-800	D	Feb-Jun	Jun-Jul	Yellowish	Misc.	India, Myanmar, Sri Lanka
OLACACEAE																			
Anacolosa ilicoides Mast.					+		+		+		+	+	1000-2500	E	Mar-Jun	Jul-Dec	Greertish white	Misc.	India, Thailand
OLEACEAE																			
Chionanthus montanus Blume						+	+	+	+		+		1500- 2000	E	Mar-Jun	Jun-Jul	Creamy white	Misc.	India, Bangladesh, Bhutan, China, Nepal, Myanmar, Vietnam
Chionanthus ramiflorus Roxb.				+	+	+		+			+		1500-2000	E	Feb-Mar	Mar-Apr	White or yellow	Medicinal	India, Australia, Nepal, Pacific Islands, Vietnam
Chionanthus roxburghii (Spreng.) Srivastva & S.L. Kapoor = *Olea roxburghii* (Roxb.) Spreng.			+										1500-2000	E	Feb-Mar	Mar-Apr	White or yellow	Misc.	India, Australia, Nepal, Pacific Islands, Vietnam
Fraxinus angustifolia Vahl		+											1200-2700	D	Apr-May	Sep-Oct	Greenish	Misc.	India, Bangladesh, Bhutan China, Pakistan
Fraxinus floribunda Wall.		+		+	+	+		+	+		+	+	1500- 2000	D	Feb-Apr	Jul-Oct	White	Fodder	India, Afghanistan, Bhutan, Japan, Laos, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Fraxinus micrantha Linglesh.	+	+	+										1500- 2000	D	Mar-Jun	Jun-Jul	White	Fuel	India, Afghanistan, China, Pakistan, N Africa
Fraxinus paxiana Lingelsh.				+	+		+						400-1100	D	May-Jul	Sep-Oct	White	Fuel	India, Afghanistan, China, Pakistan, N Africa
Fraxinus xanthoxyloides(G. Don) A. DC. = *Ornus xanthoxyloides* G. Don	+	+	+										1000-2800	D	Apr-May	Sep-Oct	White	Fodder	India, Afghanistan, China, Pakistan, N Africa
Ligustrum compactum (Wall. *ex* G. Don) Hook. f. & Thomson *ex* Brandis = *Olea compacta* Wall. *ex* G. Don	+	+	+										600-3400	D	Mar-Jul	Aug-Dec	White	Ornamental, Misc.	India, China, Nepal
Ligustrum confusum Decne.				+	+	+	+	+	+		+	+	1000-2500	D	Apr-May	Sep-Oct	White	Ornamental, Misc.	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Vietnam
Ligustrum gamblei (C.B. Clarke) Ramamoorthy = *Ligustrum roxburghii* C.B. Clarke						+		+			+		1200-2600	D	Mar-Jul	Aug-Dec	White	Ornamental, Misc.	India, China, Myanmar, Nepal

Ligustrum indicum (Lour.) Merr.= *Phillyrea indica* Lour.	+	+	+										1000-2500	D	Jun-Jul	Aug-Nov	White	Ornamental, Misc.	India, China, Myanmar, Nepal
Ligustrum lucidum W.T. Aiton					+		+		+			+	1000-2000	E	May-Jul	Jul-May	White	Misc.	India, China, Myanmar, Nepal
Ligustrum nepalense Wall. [56]	+	+	+			+		+			+		300-1500	D	Jun-Jul	Aug-Nov	White or creamy	Fuel	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand
Ligustrum robustum (Roxb.) Blume = *Phillyrea robusta* Roxb.					+	+		+	+	+	+		300-1500	D	May-Jul	Jul-May	White or creamy	Fodder	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand
Linociera intermedia Wight		+	+										1000-2000	D	Aug-Oct	Nov-Jan	White	Ornamental, Misc.	India, Afghanistan, China, Nepal, Pakistan, East and S Africa, SW Asia
Nyctanthes arbor-tristis L.	+	+	+	+	+	+	+	+	+		+	+	1000-2500	E	Aug-Oct	Nov-Jan	Orange red	Medicinal, Ornamental	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Olea dentata Wall. *ex* DC.				+	+	+		+	+		+	+	1200-2000	E	Jun-Jul	Sep-Oct	White or creamy	Fodder	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand
Olea dentata var. salicifolia (Wall. *ex* G. Don) C. B. Clarke = *Olea salicifolia* Wall. *ex* G. Don							+	+	+				1000-1400	E	Jun-Jul	Sep-Oct	White	Fodder, Fuel	India, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Olea dioica Roxb.				+	+	+	+	+			+		1200-2200	E	Apr-Aug	Aug-Nov	Greenish white	Fodder, Fuel	India, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Olea europaea subsp. cuspidata (Wall. *ex* G. Don) Cif. = *Olea cuspidata* Wall. *ex* G. Don	+	+	+										600-2800	E	Apr-Aug	Aug-Nov	White or creamy	Misc.	India, Afghanistan, China, Nepal, Pakistan, East and S Africa, SW Asia
Olea ferruginea Royle	+	+	+										200-2000	E	Apr-May	Aug-Nov	White or creamy	Fodder	India, Afganistan, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Olea gamblei C.B. Clarke				+	+	+		+	+		+		1200-2200	E	Apr-Aug	Aug-Nov	White	Fodder, Fuel, Misc.	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Olea paniculata R. Br.	+	+	+										600-1800	E	Apr-May	Aug-Nov	Cream	Fodder	India, Australia, Bangladesh, Cambodia, Laos, Myanmar, Thailand
Osmanthus fragrans (Thunb.) Lour. = *Olea fragrans* Thunb.			+	+			+				+	+	1500-3000	E	Sep-Oct	Mar-May	Yellow	Misc.	India, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Osmanthus suavis King *ex* C.B. Clarke				+	+			+					2400-3000	E	Apr-May	Oct-Nov	White or creamy	Misc.	India, Bhutan, China, Myanmar, Nepal
Schrebera swietenioides Roxb.			+										1200-2500	D	Feb-Apr	May-Jun	Greenish white	Medicinal	India, Bangladesh, Cambodia, Laos, Myanmar, Thailand

PANDANACEAE																			
Pandanus diversus St. John												+	500-1200	E	Mar-Apr	May-Jun	Yellow	Medicinal	India
Pandanus furcatus Roxb.				+	+			+		+			700-1000	E	Mar-Apr	May-Jun	Yellow	Medicinal	India, Africa, Australia, Bhutan, Nepal, Malaysia
Pandanus martinianus Nadaf & Zanan						+							500-1000	E	Feb-Apr	May-Jun	Greenish white	Medicinal	India
Pandanus scortechini Martelli												+	700-1000	E	Feb-Apr	May-Jun	Greenish white	Medicinal	India
Pandanus sikkimensis St.Joh				+									500-1500	E	Feb-Apr	May-Jun	Greenish white	Misc.	India
PENTAPHYLACACEAE																			
Anneslea fragrans Wall.							+	+					1500-1900	E	Oct-Mar	Jul-Sep	Pale yellow	Medicinal, Misc.	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
Cleyera ochnacea DC.			+								+	+	900-2400	E	Jul-Aug	Sep-Oct	Yellow	Misc.	India, China, Nepal, Myanmar
Cleyera japonica var. wallichiana (DC.) Sealy = *Cleyera ochnacea* DC. *var. wallichiana* DC.							+		+	+			900-2400	E	Jul-Aug	Sep-Oct	Yellow	Misc.	India, China, Nepal, Myanmar
Eurya acuminata DC.			+	+	+	+	+	+	+	+	+	+	900-2300	E	Jul-Aug	Dec-Mar	White	Medicinal, Misc.	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Eurya acuminata DC. *var. euprista* Dyer						+	+	+	+				1000-2500	E	Jul-Aug	Sep-Dec	White	Edible	India, Malaysia, Myanmar
Eurya acuminata DC. *var. wallichiana* (Steud.) Dyer											+	+	1500-2200	E	Jul-Aug	Sep-Dec	White	Medicinal	India, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Eurya nitida Korth.						+	+	+					1000-2000	E	Mar-Apr	Jun-Dec	Greenish white	Misc.	India, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Eurya trichocarpa Korth.						+	+		+		+		1000-2000	E	Jul-Sep	Sep-Jan	Yellow	Misc.	India, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Gordonia excelsa Blume				+	+		+	+	+		+		300-1300	E	Nov-Feb	Mar-May	Pink	Misc.	India, China, Indonesia, Malaysia, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
PERACEAE																			
Chaetocarpus castanicarpus (Roxb.) Thwaites = *Adelia castanicarpa* Roxb.				+		+						+	600 -1000	E	Oct-Dec	Jan-Mar	Yellow	Edible, Misc.	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam

PITTOSPORACEAE																		
Pittosporum eriocarpum Royle [57]		+	+										900-2000	E	Mar-Apr	Sep-Nov	Yellow	Medicinal	India
Pittosporum napaulense (DC.) Rehder & E.H. Wilson = *Senacia napaulensis* DC.	+	+	+	+	+	+	+	+	+		+	+	1600-1900	E	Jun-Jul	Dec-Feb	Yellow	Misc.	India, Bhutan, China, Madagascar, Nepal, Pakistan
PHYLLANTHACEAE																		
Antidesma acidum Retz.				+		+		+	+	+	+	+	400-1200	D	May-Jul	Jun-Nov	Greenish yellow	Fodder	India, Cambodia, China, Indonesia, Laos, Myanmar, Thailand, Vietnam
Antidesma acuminatum Wight [58]						+	+			+	+		200-1800	D	May-Jul	Jun-Nov	Greenish yellow	Misc.	India, Australia, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Antidesma ghaesembilla Gaertn.							+				+	+	200-1100	E	Mar-May	Jun-Nov	Greenish yellow	Medicinal	India, Australia, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Papua, Philippines, Sri Lanka, Thailand, Vietnam
Antidesma menasu (Tul.) Müll. Arg. = *Antidesma pubescens var. menasu* Tul.				+	+		+	+			+	+	200-2000	E	Mar-Sep	Jun-Dec	Greenish yellow	Misc.	India, Australia, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam
Aporosa aurea Hook. f.											+	+	300-1700	E	Mar-Aug	Jun-Dec	Green	Misc.	India, Australia, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam
Aporosa cardiosperma (Gaertn.) Merr. = *Croton cardiospermus* Gaertn.					+	+	+		+				600-2000	E	Mar-Aug	Jun-Dec	Yellow	Misc.	India, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Aporosa dioica (Roxb.) Müll. Arg. = *Alnus dioica* Roxb.				+		+	+	+		+	+	+	200-1000	E	Mar-May	May-Sep	Greenish yellow	Fodder	India, Bhutan, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Aporosa oblonga Müll. Arg.						+	+	+	+	+	+	+	200-1000	E	Mar-May	May-Sep	Greenish yellow	Fodder, Timber, Edible, Tannin	India, Bhutan, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Aporusa octandra (Buch.-Ham. *ex* D. Don.) Vickery			+	+							+	+	200-1200	E	Jan-Dec	Jan-Mar	Greenish yellow	Fodder, Timber, Edible, Tannin	India, Bangladesh, Bhutan, Borneo, Cambodia, China, Java, Laos, Myanmar, Nepal, Pakistan, Sumatra, Sulawesi, Thailand, Vietnam
Baccaurea ramiflora Lour.				+	+	+		+	+	+	+		300-1300	E	Mar-Aug	Jun-Dec	Yellow	Edible, Medicinal, Misc.	India, Bangladesh, Malaysia

Bischofia javanica Blume [59]		+	+	+	+	+	+	+					2000-2600	E	Apr-May	Aug-Oct	Greenish yellow	Fodder	India, Australia, Bhutan, Cambodia, Indonesia, Japan, Laos, Malaysia, Myanmar, Nepal, Pacific Islands, Philippines, Sri Lanka, Thailand, Vietnam
Bridelia assamica Hook. f.						+		+	+	+	+	+	500-1000	E	Oct-Mar	Mar-Jun	Greenish yellow	Misc.	India, Bangladesh
Bridelia cuneata Gehrm.					+		+				+		200-1500	E	Oct-Mar	Mar-Jun	Greenish yellow	Misc.	India, Bangladesh, Nepal
Bridelia glauca Blume				+	+	+		+	+	+	+	+	400-1000	D	Mar-Sep	Sep-Dec	Greenish yellow	Edible, Misc.	India, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand
Bridelia stipularis (L.) Blume = *Clutia stipularis* L.	+	+	+	+	+	+		+	+	+		+	400-1000	D	Apr-Sep	Aug-Jan	Greenish yellow or brownish red	Fodder	India, Bhutan, Cambodia, China, Indonesia, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Bridelia tomentosa Blume				+	+		+		+		+	+	1000-1500	E	Mar-Sep	Oct-Jan	Yellowish green	Medicinal	India, Australia, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Singapore, Thailand, Vietnam
Bridelia verrucosa Haines		+	+	+	+	+		+			+		700-2300	E	Mar-May	Sep-Nov	Yellow	Fodder	India, Bangladesh, China, Myanmar, Nepal, Pakistan
Caryodendron manii Smith								+					400-1000	E	Mar-Jul	Sep-Nov	Yellow	Fodder	India, Bangladesh, Myanmar, Nepal, Pakistan
Margaritaria indica (Dalzell) Airy Shaw = *Prosorus indicus* Dalzell			+										200-800	D	Mar-Apr	May-Jun	Brownish yellow	Misc.	India, Afganistan, China, Malaysia, Pakistan, Sri Lanka, Sumatra, Thailand, Vietnam
Phyllanthus emblica L. [60]	+	+	+	+	+	+		+	+	+	+	+	200-1800	D	Mar-May	Sep-Nov	Greenish yellow	Medicinal, Fodder	India, Afganistan, China, Malaysia, Pakistan, Sri Lanka
Phyllanthus sikkimensis Müll. Arg.				+							+	+	500-1500	D	Mar-Apr	May-Jun	Brown	Misc.	India, Afganistan, China, Malaysia, Pakistan, Sri Lanka, Sumatra, Thailand, Vietnam
POLYGALACEAE																			
Xanthophyllum burkilli J.R. Drumm. & Dunn					+	+							800-1400	E	Mar-May	May-Aug	Pale yellow	Medicinal, Misc.	India
Xanthophyllum flavescens Roxb.					+	+	+		+		+	+	1000-1500	E	Feb-May	May-Oct	White	Edible, Medicinal, Misc.	India, China, Malaysia, Sri Lanka, Sumatra, Thailand, Vietnam
Xanthophyllum griffithii Hook. f.					+	+		+					1500-1800	E	Feb-May	May-Oct	White	Misc.	India, China, Malaysia, Sri Lanka, Sumatra, Thailand, Vietnam

PRIMULACEAE																			
Myrsine capitellata Wall.							+	+	+			+	500-2700	E	May-Jun	Oct-Nov	White	Edible	India, Bhutan, China, Nepal
Myrsine semiserrata Wall.				+					+		+		500-2700	E	May-Jun	Oct-Nov	White	Medicinal	India, Myanmar,Nepal, Pakistan, Taiwan
PROTEACEAE																			
Grevillea robusta A. Cunn. *ex* R. Br. [61]	+	+	+	+	+	+	+	+	+	+	+	+	500-2500	E	Feb-May	May-Jun	Yellow	Ornamental	India, Australia, Borneo, Java, Malaysia, Myanmar, Pahan, Philippines, Singapore, Sumatra, Thailand, Trengganu,Vietnam
Helicia excelsa Blume						+	+	+	+		+	+	500-1000	E	May-Aug	Nov-Jul	Yellow	Misc.	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Thailand, Vietnam
Helicia nilagirica Bedd.				+	+	+		+	+		+		1000-2000	E	May-Aug	Nov-Jul	Yellow	Edible, Medicinal, Misc.	India, Bhutan, Cambodia, Laos, Myanmar, Nepal, Thailand, Vietnam
Helicia robusta Wall.				+	+	+	+	+	+		+		1000-2000	E	Sep-Dec	Jan-Feb	White	Edible, Misc.	India, Borneo, Java, Malaysia, Myanmar, Pahan, Philippines, Singapore, Sumatra, Thailand, Trengganu, Vietnam
PUTRANJIVACEAE																			
Cyclostemon eglandulosus (Roxb.) Kütz.= *Hopea eglandulosa* Roxb.						+	+						100-1000	E	Mar-Jul	Aug-Dec	Yellow-green	Edible	India, Bangladesh, Myanmar
Drypetes assamica (Hook. f.) Pax & K. Hoffm. = *Cyclostemon assamicus* Hook. f.	+	+	+	+	+	+		+	+	+	+	+	200-1000	E	Mar-Jul	Aug-Dec	Yellowish green	Edible	India, Bhutan, Bangladesh, China, Thailand
Drypetes elata (Bedd.) Pax & K. Hoffm. = *Hemicyclia elata* Bedd.						+		+					300-900	E	May-Jul	Jul-Sep	Yellowish green	Edible	India, Bhutan, Bangladesh, China, Myanmar, Thailand, Taiwan
Drypetes elliptica (Hook. f.) Pax & K. Hoffm. = *Cyclostemon ellipticus* Hook. f.				+		+	+	+	+	+	+	+	600-1400	E	Mar-Jul	Aug-Dec	Yellowish green	Misc.	India, Bhutan, Bangladesh, China, Myanmar, Thailand, Taiwan
Drypetes indica (Müll. Arg.) Pax & K. Hoffm. = *Cyclostemon indicus* Müll. Arg.				+	+	+	+	+		+	+	+	600-2200	E	Mar-Jul	Aug-Dec	Yellowish green	Misc.	India, Bhutan, Bangladesh, China, Myanmar, Thailand, Taiwan
Drypetes jaintensis (C.B. Clarke) Pax & K. Hoffm. = *Drypetes jaintensis* (C.B. Clarke) Pax & K. Hoffm.											+		300-1000	E	May-Jul	Jul-Sep	Yellowish green	Edible	India
Drypetes subsessilis (Kurz) Pax & K. Hoffm. = *Cyclostemon subsessilis* Kurz					+						+	+	1000-1500	E	Nov-Feb	Mar-May	Yellow	Misc	India, Bhutan, Myanmar, Taiwan

Flueggea virosa (Roxb. *ex* Willd.) Royle = *Phyllanthus virosus* Roxb. *ex* Willd.										+	+	+	600-1500	E	Apr-Jul	May-Aug	White	Medicinal	India, Pakistan, Taiwan
Glochidion arborescens Blume					+				+		+	+	800-2200	E	Apr-Jun	Jun-Oct	Yellow	Medicinal, Misc.	India, Australia, Cambodia, China, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Solomon Islands, Thailand, Vietnam
Glochidion ellipticum Wight		+	+		+	+	+	+			+	+	1000-2200	E	May-Aug	Jul-Nov	Yellowish green	Medicinal, Misc.	India, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Glochidion gamblei Hook. f.					+			+			+		1000-2500	E	Jan-Mar	Mar-Sep	Yellowish green	Misc.	India, Bhutan, China, Myanmar, Thailand, Vietnam
Glochidion heyneanum (Wight & Arn.) Wight = *Gynoon heyneanum* Wight & Arn.				+	+				+	+	+	+	800-2500	E	Jun-Sep	Sep-Nov	Yellow	Misc.	India, Bhutan, Cambodia, Laos, Myanmar, Nepal, Thailand, Vietnam
Glochidion hirsutum (Roxb.) Voigt = *Bradleja hirsuta* Roxb.							+	+			+		800-1500	E	Jun-Sep	Sep-Nov	Yellow	Misc.	India, Bhutan, Cambodia, Laos, Myanmar, Nepal, Thailand, Vietnam
Glochidion multiloculare (Rottler *ex* Willd.) Voigt = *Agyneia multilocularis* Rottler *ex* Willd.										+		+	500-1300	E	Jul-Sep	Sep-Dec	Greenish yellow	Medicinal	India, Bhutan, China, Nepal, Thailand
Glochidion nubigenum Hook. f.				+		+	+	+	+		+		900-2000	E	Jul-Sep	Sep-Dec	Greenish yellow	Medicinal	India, Bhutan, China, Nepal, Thailand
Glochidion sphaerogynum (Müll. Arg.) Kurz = *Phyllanthus sphaerogynus* Müll. Arg.				+	+		+	+	+	+	+	+	300-1600	E	Dec-Apr	Apr-Oct	Greenish yellow	Medicinal	India, Bangladesh, China, Nepal, Myanmar, Thailand
Glochidion triandrum (Blanco) C.B. Rob. *var. triandrum*				+	+		+				+	+	1000-2500	E	Apr-Jun	Jun-Oct	Yellow	Edible, Misc.	India, Bangladesh, China, Nepal, Myanmar, Thailand
Margaritaria indica (Dalzell) Airy Shaw = *Prosorus indicus* Dalzell								+			+	+	300-900	E	Apr-Jul	May-Aug	Green	Misc.	India, Australia, Malaysia
Putranjiva roxburghii Wall.	+	+	+	+	+	+	+	+	+	+	+	+	200-1200	E	May-Jul	Jul-Sep	Greenish yellow	Medicinal	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Taiwan
RHAMNACEAE																			
Hovenia acerba Lindl.					+	+	+	+	+		+		1000-2100	D	May-Jul	Aug-Oct	Greenish white	Medicinal	India, Bhutan,Myanmar, Nepal
Hovenia dulcis Thunb.	+	+	+	+		+	+		+		+	+	1000-1500	D	May-Jul	Aug-Oct	Greenish yellow	Timber	India, Japan, Korea, Thailand

Rhamnus nepalensis (Wall.) M.A. Lawson							+						500-1000	D	May-Sep	Nov-Dec	Greenish yellow	Fuel	India, Bangladesh, Bhutan, Myanmar, Nepal
Rhamnus purpurea Edgew.	+	+	+		+	+			+			+	1300-3000	D	Apr-May	May-Jun	Green	Misc.	India, Nepal, Pakistan
Rhamnus virgata Roxb.	+	+	+	+	+	+	+	+	+	+	+	+	600-1200	D	Apr-May	Jun-Oct	Greenish yellow	Fodder	India, Bhutan, Nepal, Thailand
Ziziphus hysudrica (Edgew.) Hole		+											200-800	D	Sep-Dec	Jan-Mar	Green	Edible	India, Afganistan, Australia, China, Sri Lanka, S Africa
Ziziphus mauritiana Lam.					+				+			+	1000-2600	E	Aug-Nov	Sep-Dec	Greenish yellow	Edible, Medicinal	India, Afganistan, Australia, Bhutan, China, Indonesia, Malaysia, Myanmar, Nepal, S Africa, Sri Lanka, Thailand, Vietnam
Ziziphus rugosa Lam.	+	+	+		+	+		+	+	+		+	500-1200	E	Apr-Mar	Sep-Oct	Green	Fodder	India, China, Laos, Myanmar, Sri Lanka, Thailand, Vietnam
Ziziphus xylopyrus Willd.				+			+			+	+	+	500-1300	E	May-Jul	Jun-Dec	Greenish yellow	Fodder	India, Nepal, Sri Lanka
RHIZOPHORACEAE																			
Carallia brachiata (Lour.) Merr. = *Diatoma brachiata* Lour.			+	+	+	+	+	+	+	+	+	+	500-1500	E	Feb-Mar	Mar-Jun	Greenish white	Fodder	India, Australia, China, Madagascar, Nepal
ROSACEAE																			
Cerasus cerasoides (Buch.-Ham. *ex* D. Don) S.Y. Sokolov [62]= Prunus *cerasoides Buch.*-Ham. *ex* D. Don	+	+	+	+	+	+	+	+	+		+	+	1200-3100	D	Oct-Dec	Feb-Mar	Pink	Fodder, Sacred, Fuel	India, Bhutan, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Cerasus rufa (Hook. f.) T.T. Yu & C.L. Li = *Prunus rufa* Hook. f.				+	+	+					+		1500-2000	D	Mar-Apr	Aug-Sep	Pink, White	Edible	India, Nepal
Cotoneaster confusus G. Klotz *ex* Arv. Kumar & Panigrahi				+			+						2200-2500	D	May-Jun	Sep-Oct	Pink, White	Fuel	India, Nepal
Crataegus songarica K. Koch	+												2000-3000	D	May-Jun	Sep-Oct	Pink, White	Misc.	India
Docynia indica (Wall.) Decne. = *Pyrus indica* Wall.				+	+	+	+	+					2000-3000	E	Mar-Apr	Aug-Sep	White	Edible	India, Bhutan, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Docynia indica (Wall.) Decne. *var. griffithiana* (Decne.) Ghora					+	+		+					2000-3000	E	Mar-Apr	Aug-Sep	White	Edible	India, Bhutan, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Eriobotrya bengalensis (Roxb.) Hook. f. = *Mespilus bengalensis* Roxb.				+	+	+	+	+	+		+	+	1000-1500	E	Jan-Feb	Mar-May	White	Fodder	India, Borneo, Sumatra, Vietnam
Eriobotrya dubia Decne.				+	+	+		+			+		1500-2000	E	Oct-Nov	Nov-Mar	White	Edible	India, Bhutan, Malaysia, Nepal

Eriobotrya hookeriana Decne.				+	+		+		+			+	1500-2500	D	Mar-Apr	Aug-Sep	Pink, White	Fuel	India, Bhutan, Nepal
Eriobotrya japonica (Thunb.) Lindl. = *Mespilus japonica* Thunb.						+	+				+	+	1200-2600	E	Jun-Jul	Jul-Aug	White	Fuel	India, Bhutan, Nepal
Eriobotrya petiolata Hook. f.				+	+	+		+					2000-2500	E	Jun-Jul	Jul-Aug	White	Fuel	India
Lauro-cerasus jenkinsii (Hook. f. & Thomson) Browicz = *Prunus jenkinsii* Hook. f. & Thomson					+			+	+			+	1500-2500	D	Jun-Aug	Sep-Dec	White	Edible	India, Bangladesh, Bhutan, Myanmar
Lauro-cerasus phaeosticta (Hance) C.K. Schneid. = *Pygeum phaeostictum* Hance				+	+		+		+		+	+	1200-3200	D	May-Jun	Sep-Oct	White	Misc.	India, Bangladesh, Myanmar, China, Vietnam, Thailand
Lauro-cerasus undulata (Buch.-Ham. *ex* D. Don) M. Roem. = *Prunus undulata* Buch.-Ham. *ex* D. Don	+	+	+	+	+	+		+	+		+	+	1500-2500	D	Aug-Oct	Nov-Dev	Yellowish white	Misc.	India, Bangladesh, Bhutan, Indonesia, Laos, Myanmar, Nepal, Thailand, Vietnam
Malus sikkimensis (Wenz.) Koehne = *Pyrus pashia var. sikkimensis* Wenz.					+		+						2500-3000	D	May-Jul	Aug-Sep	White	Edible	India, Bhutan, China, Nepal
Micromeles meghalyensis Panigrahi											+		1500-2200	D	Apr-Jun	Sep-Oct	White	Misc.	India
Micromeles polycarpa (Hook.f.) Panigrahi											+		1500-2200	D	Apr-Jun	Sep-Oct	White	Misc.	India
Padus avium Mill. [63]				+	+	+	+	+	+		+	+	1500-3000	D	Apr-May	Jul-Aug	White	Misc.	India, Bhutan, China, Laos, Myanmar, N America, Nepal, Thailand, Vietnam
Padus cornuta (Wall. *ex* Royle) Carrière [64] = *Cerasus cornuta* Wall. *ex* Royle	+	+	+	+	+	+		+					2700-3300	D	Apr-May	May-Oct	White	Fodder	India, Afghanistan, Bhutan, China, Nepal
Padus napaulensis (Ser.) C.K. Schneid. = *Cerasus napaulensis* Ser.	+	+	+	+	+	+		+	+		+	+	1500-1800	D	Apr-May	Jun-Jul	White	Edible	India, Bangladesh, China
Photinia arguta var. hookeri (Decne.) J.E. Vidal = *Pourthiaea hookeri* Decne.					+	+					+		800-1200	E	Apr-Jun	Sep-Oct	White	Misc.	India, China, Japan, Myanmar, Thailand
Photinia cuspidata (Bertol.) Balakr.				+		+					+		1500-2200	E	Apr-Jun	Sep-Oct	White	Misc.	India, China, Japan, Myanmar, Thailand

Photinia glabra (Thunb.) Franch. & Sav. [65] = *Crataegus glabra* Thunb.							+		+		+	+	500-800	E	Apr-May	Sep-Oct	White	Misc.	India, China, Japan, Myanmar, Thailand
Photinia glomerata Rehder & E.H. Wilson				+		+					+		1500-2000	D	May-Jun	Sep-Oct	White	Fodder	India, China, Myanmar
Photinia integrifolia Lindl.				+	+	+		+	+		+	+	1500-2500	E	May-Jun	Sep-Oct	White	Fodder	India, China, Myanmar
Photinia notoniana Wight & Arn.												+	1500-2000	E	May-Jun	Sep-Oct	White	Fodder	India, China, Myanmar
Prunus acuminata Michx.			+	+	+	+	+	+	+	+	+	+	600-3000	D	Sep-Nov	Dec-May	White	Edible	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Prunus arborea (Blume) Kalkman = *Polydontia arborea* Blume				+	+	+	+	+	+		+	+	1200-3000	D	May-Jun	Sep-Oct	Cream, Yellowish white	Fuel	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Prunus arborea (Blume) Kalkman *var. montana* (Hook.f.) Kalkman						+			+		+		1500-2500	D	May-Jun	Sep-Oct	Creamy white	Fuel	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam
Prunus cerasus L.	+	+	+	+	+	+	+	+	+		+	+	1200-3200	D	Apr-May	Jun-Jul	White	Edible	India, Bhutan, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Prunus salicina Lindl.						+					+		1500-2000	D	Apr-May	Jul-Aug	White	Misc.	India, China, Nepal
Prunus glauciphylla Ghora & Panigrahi				+	+		+				+	+	500-1200	D	Jul-Aug	Oct-Nov	White	Fodder	India, Nepal
Pygeum acuminatum Colebr.			+	+	+	+					+	+	1200-2500	E	Apr-May	Aug-Sep	White	Edible	India, China, Nepal
Pygeum glaberrimum Hook. f.				+	+		+	+	+		+	+	1500-2000	E	Apr-Jun	Jul-Sep	White	Edible	India, China, Nepal
Pygeum montanum Hook. f.												+	1500-2000	E	May-Aug	Oct-Dec	White	Misc.	India, Bangladesh, Laos, Myanmar, Nepal, Sri Lanka, Thailand, Vietnam
Pyrus khasiana Dcne.												+	1600-1800	D	Jun-Jul	Aug-Sep	White	Misc.	India, Bhutan, Nepal
Pyrus kohimensis Watt							+						1500-2800	D	Apr-Jun	Sep-Oct	White	Fuel, Misc.	India, China, Myanmar, Nepal
Pyrus pashia Buch.-Ham. *ex* D. Don [66]	+	+	+	+	+	+	+	+	+	+	+	+	500-3000	D	Mar-Apr	Aug-Sep	White	Edible	India, Bhutan, China, Laos, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Pyrus pashia Buch.-Ham. *ex* D. Don *var. kumaoni* Stapf.		+	+										500-3000	D	Mar-Apr	Aug-Sep	White	Edible	India, China
Pyrus polycarpa Hook. f.				+	+	+	+		+		+	+	1500-1800	D	Apr-Jun	Sep-Oct	White or pink	Misc.	India, Bhutan, Nepal
Pyrus pyrifolia (Burm. f.) Nakai = *Ficus pyrifolia* Burm. f.				+	+	+	+	+	+	+	+	+	300-1400	D	Apr-May	Jul-Aug	White or pink	Edible, Misc.	India, China, Laos, Vietnam
Pyrus sinensis Lindl.						+		+					1600-1800	D	Apr-Jun	Sep-Oct	White	Edible	India, Bhutan, Nepal

Sorbus arachnoidea Koehne				+	+	+	+	+					2200-2800	D	Apr-Jun	Sep-Oct	White or pink	Misc.	Inda, Bhutan
Sorbus cuspidata (Spach) Hedl. [67]= *Crataegus cuspidata* Spach		+	+	+	+	+	+	+			+	+	1700-3500	D	Jun-Jul	Aug-Sep	White	Fuel	India, Bhutan, China, Myanmar, Nepal
Sorbus ferruginea (Wenz.) Rehder = *Sorbus sikkimensis var. ferruginea* Wenz.				+		+	+	+					2000-2800	D	Apr-Jun	Sep-Oct	White	Fuel	Inda, Bhutan
Sorbus griffithii (Decne.) Rehder = *Micromeles griffithii* Decne.				+	+	+	+	+	+				1500-2300	D	Apr-Jun	Sep-Oct	White	Misc.	Inda, Bhutan
Sorbus insignis (Hook. f.) Hedl. = *Pyrus insignis* Hook. f.				+	+	+		+					2500-4000	D	May-Jun	Sep-Oct	Dull white	Fuel, Misc.	India, China, Myanmar, Nepal
Sorbus kurzii (Watt *ex* Prain) C.K. Schneid. = *Pyrus kurzii* Watt *ex* Prain				+	+	+		+					2300-3200	D	May-Jun	Aug-Sep	White	Fuel, Misc.	India, Bhutan, Myanmar, Nepal
Sorbus lanata (D. Don) Schauer [68] = *Pyrus lanata* D. Don	+	+	+	+	+	+	+	+			+	+	2300-3200	D	May-Jun	Aug-Sep	White	Fuel, Misc.	India, Bhutan, Myanmar, Nepal
Sorbus rhamnoides (Decne.) Rehder = *Micromeles rhamnoides* Decne.				+	+			+					1400-1700	D	May-Jun	Jul-Sep	White	Fuel	India, China, Nepal
Sorbus rufopilosa C.K. Schneid.				+	+		+						2700-4000	D	May-Jun	Aug-Sep	Pink	Fuel, Misc.	India, Bhutan, Myanmar, Nepal
Sorbus thomsonii (King *ex* Hook. f.) Rehder				+	+							+	1500-2800	D	Apr-May	Aug-Sep	White	Fuel, Misc.	India, Bhutan, Myanmar, Nepal
Sorbus hedlundi C. K. Schneid.				+	+		+						2500-3500	D	Apr-May	Aug-Sep	White	Misc.	India, Bhutan, Nepal
Stranvaesia nussia (Buch.-Ham. *ex* D. Don) Decne. = *Pyrus nussia* Buch.-Ham. *ex* D. Don			+		+		+		+	+	+	+	500-2800	E	Apr-May	Aug-Sep	White	Fuel	India, China, Laos, Myanmar, Nepal, Philippines, Thailand
RUBIACEAE																			
Aidia cochinchinensis Lour.				+	+	+	+	+	+	+	+	+	400-1200	E	Mar-Apr	May-Sep	White	Misc.	India, Bangladesh, Borneo, Peninsular Malaya, Sumatra, Thailand
Canthium dicoccum (Gaertn.) Merr. = *Psydrax dicoccos* Gaertn.				+	+		+	+	+		+	+	1500- 1800	E	Apr-Jun	Jun-Dec	Greenish white	Medicinal	India, Nepal

Canthium glabrum Blume				+	+	+	+	+	+	+	+	+	300-1000	E	Apr-Jun	Jun-Dec	Yellow purplish	Misc	India, Borneo, Celebes, China, Java, Lesser Sunda Islands, Peninsular Malaya, Philippines, Sumatra, Thailand
Catunaregam spinosa (Thunb.) Tirveng. = *Gardenia spinosa* Thunb.	+	+	+	+	+	+	+	+	+	+	+	+	300-900	D	Mar-Jun	May-Jan	Yellowish green	Medicinal, Edible	India, Cambodia, Indonesia, Laos, Madagascar, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam
Catunaregam uliginosa (Retz.) Sivar.= *Gardenia uliginosa* Retz.	+	+	+	+	+	+	+	+	+	+	+	+	200-500	D	May-Jun	Mar-Apr	White	Fodder	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Myanmar
Cephalanthus tetrandra (Roxb.) Ridsdale & Bakh. f. = *Nauclea tetrandra* Roxb.					+	+	+	+	+				400-1200	E	Jun-Sep	Jul-Sep	Greenish white	Fodder	India, Bangladesh, Laos, Myanmar, Thailand, Vietnam
Ceriscoides turgida (Roxb.) Tirveng. = *Gardenia turgida* Roxb.	+	+	+	+	+	+	+	+	+	+	+	+	500-1000	D	Apr-May	Apr-Jun	White	Fodder	India, Bangladesh, Malaysia
Chassalia lushaiensis (C.E.C.Fisch.) Fisch. = *Gaertnera lushaiensis* C.E.C. Fisch.				+	+		+	+	+				1500-3000	D	Apr-May	Apr-Jun	White	Fodder	India, Bangladesh, Malaysia
Cinchona officinalis L.							+				+	+	1500-2600	E	Jun-Feb	Feb-Mar	Yellow or pale pink	Medicinal	India, Bolivia, China, N. America
Cinchona pubescens Vahl										+		+	600-1200	E	Jun-Feb	Feb-Mar	Pink	Medicinal	India, Bolivia, China, N. America
Discospermum abnorme (Korth.) S.J. Ali & Robbr. = *Gynopachis abnormis* Korth.				+			+		+	+		+	400-800	E	May-Jun	Jun-Aug	White	Edible	India, Bangladesh, Indonesia, Malaysia, Myanmar, Thailand, Vietnam
Gardenia campanula Ridl.				+	+	+	+	+	+		+	+	1000-2200	E	Jun-Sep	Jul-Sep	White	Medicinal	India, Bangladesh
Gardenia coronaria Buch.-Ham.									+	+		+	800-1800	D	Jun-Sep	Jul-Sep	Yellow	Medicinal	India, Bangladesh, Nepal
Gardenia latifolia Aiton					+	+	+	+	+				1000-1900	D	Apr-May	Jun-Jul	Paleyellow	Fodder	India, Bangladesh, Nepal
Gardenia resinifera Roth							+		+	+		+	500-1200	D	Mar-Jul	Jul-Nov	White	Medicinal	India, Bangladesh, Cambodia, China, Indonesia , Laos, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Thailand, Vietnam
Haldina cordifolia (Roxb.) Ridsdale = *Nauclea cordifolia* Roxb.	+	+	+	+	+	+		+	+	+	+	+	600-1400	D	Feb-May	Jul-Nov	Yellow	Fodder	India, Cambodia, Nepal, Sri Lanka, Thailand, Vietnam
Hymenodictyon flaccidum Wall.	+	+	+	+	+	+		+	+	+			200-900	D	May-Jul	Aug-Dec	Yellowish red	Misc.	India, Bhutan, Nepal, Vietnam
Hymenodictyon orixense (Roxb.) Mabb. = *Cinchona orixensis* Roxb.	+	+	+	+	+	+	+	+	+	+	+	+	600-1500	D	May-Jul	May-Dec	Greenish white	Medicinal	India, Bangladesh, Cambodia, China, Indonesia , Laos, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Thailand, Vietnam

Khasiaclunea oligocephala (Havil.) Ridsdale = *Adina oligocephala* Havil.				+		+		+		+	+		300-1400	E	Dec-Mar	Mar-Apr	Creamy yellow	Misc.	India, Bangladesh, Bhutan
Metadina trichotoma (Zoll. & Moritzi) Bakh. f. = *Nauclea trichotoma* Zoll. & Moritzi				+			+		+	+	+	+	300-1400	E	Apr-Jun	Jul-Dec	Creamy white	Misc.	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Meyna laxiflora Robyns					+	+	+			+	+		400-1800	E	Mar-Apr	Apr-May	Greenish white	Fodder	India, Bhutan, Laos, Myanmar, Nepal, Thailand
Mitragyna diversifolia (Wall. *ex* G. Don) Havil. = *Nauclea diversifolia* Wall. *ex* G. Don				+	+	+	+	+	+	+	+	+	300-900	D	Feb-Aug	Jan-Mar	Yellowish white	Misc.	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Mitragyna parvifolia (Roxb.) Korth. = *Nauclea parvifolia* Roxb.	+	+	+	+	+	+	+			+	+	+	300-1000	D	Apr-Jun	Jul-Oct	Greenish or cream	Fodder	India, Bangladesh, Pakistan, Sri Lanka
Mitragyna rotundifolia (Roxb.) Kuntze = *Nauclea rotundifolia* Roxb.							+	+	+	+	+	+	500-1400	D	Aug-Nov	Sep-Dec	Yellowish white	Misc.	India, Bangladesh, Laos, Myanmar, Thailand
Morinda angustifolia Roxb.				+		+		+		+	+		500-1400	E	Apr-May	May-Sep	White	Medicinal, Misc	India, Bhutan, Laos, Myanmar, Nepal, Thailand
Morinda citrifolia L.					+			+		+			500-1000	E	Almost the year	Almost the year	White	Medicinal	India, Australia, Cambodia, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Pacific islands, Papua, Philippines, Solomon Islands, Sri Lanka, Thailand, Vietnam
Neolamarckia cadamba (Roxb.) Bosser = *Nauclea cadamba* Roxb.			+	+	+	+	+	+	+	+	+	+	200-1200	E	May-Jun	Jun-Jul	Orange yellow	Misc	India, Nepal
Neonauclea gageana (King) Merr. = *Nauclea gageana* King						+							500-1000	E	Apr-May	May-Sep	White	Misc.	India, Australia, Cambodia, Indonesia, Japan, Malaysia, Myanmar, New Guinea, Pacific islands, Papua, Philippines, Solomon Islands, Sri Lanka, Thailand, Vietnam
Neonauclea griffithii (Hook. f.) Merr. = *Adina griffithii* Hook. f.				+	+	+	+	+	+	+	+	+	800-1300	E	Apr-May	May-Sep	Red	Timber	India, Bhutan, China, Myanmar
Neonauclea sessilifolia (Roxb.) Merr. = *Nauclea sessilifolia* Roxb.							+		+	+	+	+	500-700	E	Apr-May	May-Sep	White	Misc.	India, Cambodia, China, Laos, Myanmar, Thailand, Vietnam

Nostolachma jenkinsii (Hook.f) Deb & Lahiri = *Coffea jenkinsii* Hook.f.											+		800-1300	E	Apr-May	May-Sep	Red	Avenue	India
Oxyceros griffithii (Hook. f.) W.C. Chen = *Randia griffithii* Hook. f.						+			+		+	+	300-1200	E	Mar-Apr	May-Sep	White	Misc.	India, Bangladesh, Borneo, Peninsular Malaya, Sumatra, Thailand
Pavetta indica L.				+	+						+	+	300-1000	E	Apr-May	May-Sep	White	Medicinal, Edible	India, Taiwan
Psychotria burkillii Deb & M. Gangop.						+							800-1300	E	Apr-May	May-Sep	White	Misc.	India
Sarcocephalus cordatus (Roxb.) Miq. = *Nauclea cordata* Roxb.											+	+	700-1200	E	May-Jun	Jun-Aug	Yellowish to orange	Timber, Medicinal	India, Australia, SE Asia, New Guinea
Tarennoidea wallichii (Hook. f.) Tirveng. & Sastre = *Randia wallichii* Hook. f.						+	+	+	+		+		1000-1400	E	Mar-Apr	May-Sep	White	Medicinal	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Vangueria madagascariensis J.F. Gmel.						+	+	+			+		1300-2300	E	Mar-Apr	May-Sep	White	Edible	India, Ethiopia, Madagascar, Nigeria, Senegal, Sudan, Uganda, Zanzibar
Wendlandia coriacea DC.				+		+			+		+	+	800-1200	E	Mar-Apr	May-Sep	White	Misc	India, Nepal
Wendlandia exserta (Roxb.) DC.[69]= *Rondeletia exserta* Roxb.		+	+										800-1200	E	Mar-Apr	May-Sep	White	Misc	India, Nepal, Pakistan
Wendlandia glabrata DC.					+			+	+				800-1200	E	May-Jun	Jun-Aug	White	Medicinal	India, Nepal, Pakistan
Wendlandia grandis (Hook. f.) Cowan = *Wendlandia tinctoria var. grandis* Hook. f.				+		+		+	+			+	1200-2000	E	May-Jun	Jun-Aug	White	Medicinal	India, Bangladesh, Bhutan, Myanmar, Nepal
Wendlandia heynei (Schult.) Santapau & Merchant = *Rondeletia heynei* Schult.	+	+	+	+	+	+		+	+		+	+	1500-1600	E	May-Jun	Jun-Aug	White	Medicinal	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Wendlandia odorata Roxb.				+				+					1000-1500	E	May-Jun	Jun-Aug	White	Medicinal	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Wendlandia paniculata (Roxb.) DC.							+	+	+	+		+	800-1200	E	May-Jun	Jun-Aug	Bluish white	Medicinal	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Wendlandia puberula DC.		+	+			+		+			+	+	800-1200	E	May-Jun	Jun-Aug	Bluish white	Medicinal	India
Wendlandia sikkimensis Cowan				+	+		+						1000-1500	D	Mar-Apr	Jun-Oct	White	Misc.	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam

Wendlandia tinctoria (Roxb.) DC. =*m Rondeletia tinctoria* Roxb.				+	+	+					+	+	1200-2300	D	Mar-Apr	Jun-Aug	White	Medicinal	India, Bangladesh, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Wendlandia wallichii Wight & Arn.				+	+	+	+		+		+	+	1000-2400	D	Mar-Apr	Jun-Aug	White	Misc.	India, Bangladesh, China, Malaysia, Myanmar, Pakistan
RUTACEAE																			
Acronychia pedunculata (L.) Miq. = *Jambolifera pedunculata* L.			+	+	+	+		+	+	+	+	+	800-1500	E	Apr-Aug	Aug-Dec	Greenish white	Misc.	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Aegle marmelos (L.) Correa = *Crateva marmelos* L.	+	+	+	+	+	+	+	+	+	+	+	+	300-1200	D	May-Jun	Jun-Jul	Greenish White	Medicinal, Sacred, Fodder	India, Bangladesh, China, Malaysia, Myanmar, Pakistan
Atalantia monophylla (L.) DC. = *Limonia monophylla* L.												+	200-1200	E	May-Jun	Jul-Oct	White	Medicinal	India, China,Vietnam
Atalantia simplicifolia (Roxb.) Engl. = *Amyris simplicifolia* Roxb.							+						2000-2600	E	May-Dec	Sep-Dec	White	Misc.	India, Bhutan, China, Myanmar, Nepal
Clausena anisata (Willd.) Hook. f. *ex* Benth. = *Amyris anisata* Willd.				+	+	+		+	+				1000-2400	D	Apr-May	Oct-Dec	White	Medicinal	India, Nepal, Sri Lanka
Clausena lansium (Lour.) Skeels = *Quinaria lansium* Lour.						+	+	+	+	+			500-1200	E	Apr-May	Jul-Aug	White	Misc. Medicinal	India, China, Vietnam
Euodia glabrifolia (Champ. *ex* Benth.) N.P. Balakr. = *Boymia glabrifolia* Champ. *ex* Benth.						+		+			+		600-1000	D	Jun-Sep	Sep-Dec	Greenish yellow	Misc.	India, Bhutan, Indonesia, Japan, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Euodia rutaecarpa Benth.					+	+	+		+	+	+		100-1000	D	Apr-Jun	Aug-Nov	Yellowish white	Medicinal	India, Bhutan, Myanmar, Nepal
Euodia maliaefolia Benth.				+	+			+			+	+	200-1200	D	Apr-Jun	Aug-Nov	Yellowish white	Misc. Medicinal	India, Bhutan, Cambodia, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Glycosmis cyanocarpa Spreng.				+		+		+	+	+	+	+	500-1000	E	Jan-Mar	Mar-Jun	White	Misc.	India, Bhutan, Myanmar
Glycosmis cyanocarpa var. linearifoliolis V. Naray. *ex* Tanaka								+			+	+	500-1200	E	Jan-Mar	Mar-Jun	White	Misc.	India
Limonia acidissima L.						+		+	+				200-1000	E	Mar-May	Jul-Sep	Dull red	Misc.	India, China, Myanmar, Nepal, Pakistan

Limonia crenulata Roxb.	+	+	+										700-1400	E	Feb-Apr	Jul-Sep	White	Misc.	India, China, Myanmar, Nepal, Pakistan
Melicope lunu-ankenda (Gaertn.) T.G. Hartley = *Fagara lunu-ankenda* Gaertn.				+	+	+	+	+			+	+	1000-1800	D	Aug-Sep	Oct-Dec	Greenish yellow	Misc. Medicinal	India, Bhutan, Cambodia, Indonesia, Malaysia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Micromelum integerrimum Wight. & Arn.				+		+	+	+	+	+	+		200-1000	E	Feb-Apr	Jul-Sep	Pale green	Medicinal, Edible, Misc.	India, Bhutan, Cambodia, Laos, Myanmar, Nepal, Philippines, Thailand, Vietnam
Micromelum minutum Wight & Arn.						+					+		400-1200	E	Feb-Apr	Jul-Sep	Pale green	Medicinal	India, Australia, China, Indonesia, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand
Murraya paniculata (L.) Jack = *Chalcas paniculata* L.	+	+	+	+	+	+	+	+	+	+	+	+	400-1000	E	Feb-Apr	Jul-Sep	White	Medicinal	India, Bhutan, Laos, Myanmar, Nepal, Thailand, Vietnam
Murraya koenigii (L.) Spreng. = *Bergera koenigii* L.	+	+	+	+	+	+	+	+	+	+	+	+	400-1000	E	Mar-Apr	Jul-Aug	White	Medicinal, Edible	India, Bhutan, Laos, Nepal, Pakistan, Sri Lanka, Thailand, Vietnam
Skimmia arborescens T. Anderson *ex* Gamble				+	+	+	+	+	+		+	+	1600-2700	E	Apr-Jun	Jul-Sep	Yellow	Fodder	India, Bhutan, Laos, Myanmar, Nepal, Thailand, Vietnam
Skimmia arborescens T. Anderson *ex* Gamble *subsp. nitida* N.P. Taylor & Airy Shaw						+	+	+	+				1600- 2700	E	Apr-Jun	Jul-Sep	Yellow	Fodder	India, Bhutan, Laos, Myanmar, Nepal, Thailand, Vietnam
Skimmia arunachalensis Goel & Mehrotra						+	+	+	+				1600-2500	E	Apr-Jun	Jul-Sep	Yellow	Fodder	India, Bhutan, Laos, Myanmar, Nepal, Thailand, Vietnam
Skimmia kamengensis Goel & Mehrotra						+	+						2800-3500	E	May-Sep	Jul-Nov	White or yellowish	Medicinal, Edible	India, Bhutan, Myanmar, Nepal
Skimmia multinervia C.C. Huang				+									2000-2600	E	Apr-Jun	Jul-Sep	Yellow	Medicinal	India, Bhutan, Laos, Myanmar, Nepal, Thailand, Vietnam
Tetradium fraxinifolium (Hook. f.) T.G. Hartley = *Philagonia fraxinifolia* Hook. f.				+	+	+	+	+	+		+		200-1200	D	May-Sep	Jul-Nov	White or yellowish	Medicinal, Edible	India, Bhutan, Myanmar, Nepal, Thailand, Vietnam
Tetradium glabrifolium (Champ. *ex* Benth.) T.G. Hartley = *Boymia glabrifolia* Champ. *ex* Benth.				+	+						+		300-1200	D	Jun-Sep	Sep-Dec	Greenish yellow	Medicinal	India, Bhutan, Indonesia, Japan, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Tetradium ruticarpum (A. Juss.) T.G. Hartley = *Boymia ruticarpa* A. Juss.				+		+	+	+		+	+		300-3000	D	Apr-Jun	Aug-Nov	Green, yellow, or white	Medicinal	India, Bhutan, Myanmar, Nepal

Tetradium trichotomum Lour.											+		300-1900	D	Apr-Aug	Sep-Nov	Green, yellow, or white	Medicinal, Edible	India, China, Laos, Thailand, Vietnam
Zanthoxylum acanthopodium DC.				+	+	+	+	+	+		+	+	1000-2500	D	Apr-May	Sep-Oct	Light yellow	Medicinal, Edible	India, Bangladesh, Bhutan, Indonesia, Laos, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Zanthoxylum armatum DC.	+	+	+	+	+	+		+	+		+	+	1000-1500	D	Mar-Jun	Sep-Nov	Light yellow	Medicinal	India, Bangladesh, Bhutan, China, Indonesia, Japan, Korea, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Zanthoxylum budrunga (Roxb.) Roxb.				+			+				+	+	1200-2000	D	Mar-Jun	Sep-Nov	Creamy white	Medicinal	India, Bangladesh, Indonesia, Malaysia, Myanmar, New Guinea, Papua, Sri Lanka, Thailand, Vietnam
Zanthoxylum limonella Alston						+	+	+	+	+			500-1500	D	Jun-Aug	Sep-Nov	White	Medicinal	India, Australia, Indonesia, Myanmar, Nepal, New Guinea, Papua, Pakistan
Zanthoxylum myriacanthum Wall. *ex* Hook. f.				+			+						200-1500	D	Jun-Aug	Sep-Nov	White	Medicinal, Edible	India, Bangladesh, Indonesia, Malaysia, Myanmar, New Guinea, Papua, Sri Lanka, Thailand, Vietnam
Zanthoxylum ovalifolium Tutcher					+	+	+	+				+	500-1500	D	Mar-Jun	Sep-Nov	Creamy white	Misc.	India, Australia, Indonesia, Myanmar, Nepal, New Guinea, Pakistan, Papua
Zanthoxylum rhetsa DC.				+	+	+		+	+		+	+	1200-2000	D	Mar-Jun	Sep-Nov	Creamy white	Medicinal, Edible	India, Bangladesh, Indonesia, Malaysia, Myanmar, Papua, New Guinea, Sri Lanka, Thailand, Vietnam
SABIACEAE																			
Meliosma arnottiana (Wight) Walp. = *Millingtonia arnottiana* Wight		+	+		+		+	+	+	+		+	500-2000	E	May-Jul	Aug-Oct	Light yellow	Fodder	India, China, Indonesia, Japan, Malaysia, Nepal, Philippines, Sri Lanka, S Korea, Thailand, Vietnam
Meliosma dilleniifolia (Wall. *ex* Wight & Arn.) Walp. = *Millingtonia dilleniifolia* Wall. *ex* Wight & Arn.	+	+	+	+	+	+	+				+		1800-2000	D	Jun-Jul	Sep-Oct	White	Fodder	India, Bhutan, China, Myanmar, Nepal
Meliosma henryi Diels							+		+				700-1400	E	May-Jun	Sep-Oct	White	Misc.	India, China
Meliosma pinnata (Roxb.) Maxim. = *Millingtonia pinnata* Roxb.				+	+	+	+	+	+	+	+	+	100-600	E/D	May-Jun	Sep-Oct	White	Misc.	India, Bangladesh, Bhutan, China, Myanmar
Meliosma rhoifolia Maxim. *var. barbulata* (Cufod.) Y.W. Law = *Meliosma rhoifolia subsp. barbulata* Cufod.							+	+					400-1100	E	May-Jun	Sep-Oct	White	Misc.	India, Bangladesh, Bhutan, China, Myanmar

Meliosma simplicifolia (Roxb.) Walp. = *Millingtonia simplicifolia* Roxb.			+	+	+	+	+	+	+	+	+	+	300-1000	E	May-Jun	Sep-Oct	White	Misc.	India, Cambodia, China, Indonesia, Laos, Malaysia, Myanmar, Nepal, Sri Lanka, Tibet, Thailand, Vietnam,
Meliosma thomsonii King *ex* Brandis		+	+										600-1000	E	May-Jun	Sep-Oct	White	Misc.	India, Myanmar, Nepal
Meliosma yunnanensis Franch.						+	+				+		1800-2200	E	May-Jul	Aug-Oct	Creamy white	Fodder	India, Bhutan, China, Myanmar, Nepal
SALICACEAE																			
Bennettiodendron leprosipes (Clos) Merr. = *Xylosma leprosipes* Clos				+	+	+	+	+	+	+	+	+	400-600	E	Jan-Feb	Feb-May	Greenish yellow	Misc.	India, Bangladesh, China, Indonesia, Myanmar, Thailand
Casearia glomerata Roxb.				+	+	+	+	+	+		+	+	1000-3000	D	Apr-May	Jul-Aug	Yellow	Misc.	India, Bhutan
Casearia graveolens Dalzell				+	+						+	+	500-1800	D	Mar-Apr	Apr-Jul	Green	Misc.	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand
Casearia kurzii C.B. Clarke				+	+	+	+	+		+	+		500-1500	D	Mar-May	Jan-Feb	White	Misc.	India, Bangladesh, China, Myanmar
Casearia nigrescens Tul.		+	+	+	+	+	+	+	+	+	+	+	300-900	D	Jan-Apr	Apr-Aug	Greenish white	Fodder	India, Pakistan, Sri Lanka
Flacourtia indica (Burm. f.) Merr. = *Gmelina indica* Burm. f.	+	+	+	+			+	+	+	+	+	+	400-1200	D	Dec-Mar	May-Aug	Yellowish green	Edible, Medicinal, Fodder	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand
Flacourtia jangomas (Lour.) Raeusch. = *Stigmarota jangomas* Lour.	+	+	+	+	+	+	+	+	+	+	+	+	300-1000	D	Mar-May	Aug-Oct	Greenish white	Edible	India, Bangladesh, Bhutan, China, Myanmar, Nepal, Pakistan, Thailand
Gynocardia odorata Roxb.				+	+	+	+	+	+	+		+	300-1200	E	Mar-May	Nov-Dec	Pale yellow	Medicinal, Misc	India, Bangladesh, Bhutan, Myanmar
Homalium ceylanicum (Gardner) Benth. = *Blakwellia ceylanica* Gardner				+	+			+	+		+	+	200-1300	E	Mar-May	Oct-Dec	Greenish white	Timber, Ornamental	India, Sri Lanka
Homalium ceylanicum (Gardner) Benth. *subsp. minutiflorum* (Kurz) Mitra = *Homalium minutiflorum* Kurz				+	+						+	+	500-1500	E	Mar-May	Oct-Dec	Greenish white	Misc.	India, Bangladesh, Bhutan, Myanmar, Thailand
Homalium nepalense Benth.					+		+	+			+		700-2100	E	May-Jun	Jun-Jul	White	Misc.	India, Nepal
Homalium schlichii Kurz				+	+	+	+	+		+	+		300-1300	E	Mar-May	Oct-Dec	White	Misc.	India, Bangladesh, Myanmar
Salix acmophylla Boiss.	+	+	+										300-1800	D	Mar-Apr	Jun-Sep	Green	Fodder	India, Afghanistan, China, Iraq, Iran, Pakistan, Palestine, Sinai, Syria, Turkey

Salix alba L.	+	+	+										700-2100	E	Apr-May	May-Jun	Green	Timber, Misc.	India, Asia, Europe
Salix calostachya Andersson	+												700-2100	E	Apr-May	May-Jun	Green	Timber, Misc.	India
Salix daphnoides Villars		+	+										300-2000	D	Apr-May	May-Jun	Greenish brown	Misc.	India, Andorra, Austria, Belarus, Croatia, Czech Republic, Estonia, France, Germany, Hungary, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Norway, Poland, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine
Salix fragilis L.		+											300-2000	D	Mar-Apr	Jun-Sep	Greenish brown	Misc.	India, Afghanistan, China, Iraq, Iran, Pakistan, Palestine, Sinai, Syria, Turkey
Salix pseudocalyculata Kimura				+									300-1600	D	Mar-Apr	Jun-Sep	Greenish brown	Misc.	India
Salix pycnostachya var. oxycarpa (Andersson) Y.L. Chou & C.F. Fang = *Salix oxycarpa* Andersson	+	+	+										200-1800	D	Mar-Apr	Jun-Sep	Greenish brown	Misc.	India, Afghanistan, China, Iraq, Iran, Pakistan, Palestine, Sinai, Syria, Turkey
Salix sericocarpa Andersson		+											800-2000	D	Apr-May	May-Jun	Green	Misc.	India, Afghanistan, China, Nepal, Pakistan
Salix stomatophora Flod.				+									1000-1500	D	Apr-May	May-Jun	Green	Misc.	India
Xylosma congesta (Lour.) Merr. = *Croton congestus* Lour.	+	+	+										300-1600	E	Jul-Aug	Oct-Nov	Yellow	Fodder	India, China, Japan, Taiwan
Xylosma controversum Clos				+	+	+	+	+	+	+	+	+	800-1500	E	Nov-Dec	Apr-May	Dull white	Fodder	India, Nepal
Xylosma longifolia Clos [70]	+	+	+	+	+	+	+	+	+	+	+	+	400-1000	E	Oct-Jan	Feb-Apr	Greenish yellow	Medicinal	India, China, Nepal, Pakistan, Thailand
SANTALACEAE																			
Pyrularia edulis (Wall.) A. DC. = *Sphaerocarya edulis* Wall.				+	+		+		+			+	800-2000	D	Mar-May	Sep-Oct	Green	Edible,Misc.	India, Bhutan, China, Nepal
SAPINDACEAE																			
Acer acuminatum Wall. *ex* D. Don [71]	+	+	+		+	+	+	+					2500- 3000	D	Apr-May	Oct-Nov	Green	Timber	India, Nepal
Acer caesium Wall. *ex* Brandis [72]	+	+	+	+	+	+	+	+					2000-3500	D	May-Jun	Aug-Sep	Yellowish green	Timber	India, Nepal, Pakistan
Acer calcaratum Gagnep.					+			+	+				1500-2000	D	Nov-Jan	Mar-Jul	White	Timber	India, China, Myanmar, Thailand, Vietnam
Acer campbellii Hook. f. & Thomson				+	+	+	+	+	+		+	+	1600-1800	D	May-Jun	Sep-Oct	Yellowish green	Fodder	India, Bhutan, Myanmar, Nepal, Vietnam
Acer cappadocicum Gled.	+	+	+	+	+	+	+	+	+		+	+	1500-1800	D	Mar-May	Dec-Feb	Yellowish green	Fodder	India, China, Japan, Turkey

Acer caudatum Wall.	+	+	+	+	+	+	+	+					1500-2500	D	Mar-May	Oct-Nov	Yellowish green	Fodder	India, Bhutan, China, Korea, Japan, Myanmar, Nepal
Acer laevigatum Wall.	+	+	+	+	+	+	+	+	+		+	+	1500-2500	D	Apr-May	Oct-Nov	White	Timber	India, China, Myanmar, Nepal
Acer laurinum Hassk.						+			+			+	500-1000	E	Jun-Sep	Sep-Dec	Pale yellow	Fuel, Timber	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Acer negundo L.		+											1500-2200	D	May-Jun	Oct-Nov	Green	Misc.	India, Bhutan, China, Nepal
Acer oblongum Wall. *ex* DC. [73]	+	+	+	+	+	+	+	+	+		+	+	1500-2200	E	Feb-Apr	Jan-Apr	Yellowish green	Fodder	India, Bhutan, Japan, Laos, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Acer oblongum Wall. *ex* DC. *var. microcarpum* Hiern						+							1400-2000	E	Feb-Apr	Jan-Apr	Yellowish green	Misc.	India, Bhutan, Japan, Laos, Myanmar, Nepal, Pakistan, Thailand, Vietnam
Acer osmastonii Gamble				+			+	+	+				1000-1400	D	Mar-Apr	Oct-Nov	Greenish to creamy yellow	Misc.	India, Nepal, Myanmar
Acer palmatum Thunb.					+	+	+	+	+		+		1600-2000	D	Apr-May	Sep-Oct	Yellow to pinkish white	Timber, Fuel	India, China, , Japan, S Korea
Acer pectinatum Wall. *ex* G. Nicholson			+	+	+	+		+					3000-3700	D	Apr-May	Sep-Oct	Purplish green	Misc.	India, Bhutan, Myanmar, Nepal
Acer pentapomicum Stewart *ex* Brandis	+	+	+										1500-2200	D	Mar-Apr	Oct-Nov	Green	Misc.	India, Afganistan, Nepal, Pakistan
Acer pinnatinervium Merr.						+	+	+					2000-2500	E	Aug-Oct	Dec-Feb	Yellowish green	Misc.	India, China, Thailand
Acer sikkimense Miq.				+	+	+	+	+			+	+	1500-2500	D	Mar-Apr	Sep-Oct	Yellowish green	Timber	India, Bhutan, Myanmar, Nepal
Acer stachyophyllum Hiern				+	+			+					1400-3500	D	Apr-May	Sep-Oct	Yellowish green	Timber, Misc.	India, Bhutan, Myanmar, Nepal
Acer thomsonii Miq.		+	+		+						+		1800-3000	D	Apr-May	Aug-Sep	Yellowish green	Timber, Misc.	India, Bhutan, Myanmar, Nepal, Thailand
Acer sterculiaceum Wall.				+	+		+	+	+			+	1600-3100	D	Apr-May	Aug-Sep	Yellowish green	Timber	India, Bhutan, China
Acer villosum Wall.	+	+	+	+		+			+				1500-1800	D	Apr-May	Jul-Sep	Yellowish green	Fodder, Medicinal	India, Austria, Europe, Nepal
Aesculus assamica Griff.			+	+	+	+	+	+	+	+	+	+	400-1400	D	Feb-May	Jun-Nov	Pale yellowish gray	Fodder	India, Bangladesh, Bhutan, Laos, Myanmar, Thailand, Vietnam
Aesculus indica (Wall. *ex* Cambess.) Hook.[74] = *Pavia indica* Wall. *ex* Cambess.	+	+	+	+	+	+	+	+	+		+	+	1500-3000	D	Apr-May	Oct-Nov	Pinkish white	Fodder	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam

Allophylus cobbe (L.) Raeusch. = *Rhus cobbe* L.								+		+			200-900	D	Mar-Jun	Jun-Sep	White	Misc.	India, Bangladesh, Bhutan, Laos, Myanmar, Thailand, Vietnam
Allophylus zeylanicus L.						+	+				+		500-1200	D	Mar-Jun	Jun-Sep	White	Misc.	India, Bhutan
Dimocarpus longan Lour.					+	+		+	+	+	+		300-1800	E	Mar-Jun	Jun-Sep	Yellowish brown	Edible	India, Cambodia, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Sri Lanka, Thailand, Vietnam
Dittelasma rarak (DC.) Benth. & Hook. f. = *Sapindus rarak* DC.						+	+			+	+	+	500-1700	D	Mar-Jun	Sep- Nov	Pale yellow	Misc.	India, Australia, Bangladesh, Cambodia, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam
Dodonaea viscosa Jacq.	+	+	+										200-800	E	Jan-Sep	Jun-Jul	Greenish yellow	Avenue	India, Australia, China, Pakistan, Sri Lanka, S Africa, N America
Harpullia ramiflora Radlk.												+	200-800	D	Mar-Jun	Sep-Nov	White to creamy	Ornamental, Timber	India, Australia, Bangladesh, Cambodia, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Philippines, Thailand, Vietnam
Koelreuteria paniculata Laxm		+	+										500-1000	D	Jan-Sep	Jun-Jul	Yellow	Misc.	India, China, Fiji, Formosa
Lepisanthes rubiginosa (Roxb.) Leenh = *Sapindus rubiginosus* Roxb.				+	+			+		+	+		600-1200	E	Mar-Jun	Sep-Nov	White to creamy	Medicinal, Timber	India, Australia, China, Indonesia, Malaysia, New Guinea, Philippines
Lepisanthes perrieri (Choux) Buerki, Callm. & Lowry = *Manongarivea perrieri* Choux							+		+	+	+		800-2000	E	Feb-Mar	May-Jun	Purplish red	Edible, Medicinal	India, Bangladesh, Bhutan, China, Indonesia, Madagascar, Malaysia, Myanmar, Nepal, New Guinea, Philippines, Sri Lanka
Lepisanthes tetraphylla Radlk.					+	+			+		+		600-1600	E	Feb-Mar	May-Jun	Creamy white	Medicinal, Misc.	India, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Taiwan, Thailand, Vietnam
Mischocarpus pentapetalus (Roxb.) Radlk. = *Schleichera pentapetala* Roxb.									+				600-1600	E	Mar-Jun	Sep-Nov	Cream	Timber	India, China, Myanmar, Thailand, Cambodia, Laos, Vietnam, Malaysia, Indonesia, Philippines
Nephelium ramboutan-ake (Labill.) Leenh. = *Litchi ramboutan-ake* Labill.				+		+	+	+			+		600-900	E	May-Jun	Aug-Sep	Pale yellow	Edible	India, Indonesia, Malaysia, Myanmar, Philippines
Sapindus trifoliatus L.							+	+	+	+			400-1600	D	Oct-Dec	Jan-Mar	White	Medicinal, Misc.	India, Bangaladesh, Pakistan, Sri Lanka
Sapindus saponaria L.[75]	+	+	+	+	+	+	+	+	+	+	+	+	400-1000	D	May-Jun	Aug-Sep	Greenish yellow	Medicinal, Misc.	India, Bangladesh, Japan, Pakistan
Schleichera oleosa (Lour.) Oken = *Pistacia oleosa* Lour.	+	+	+	+	+	+	+	+	+	+	+	+	300-1000	D	Mar-Apr	Mar-Apr	Yellow	Fodder, Medicinal, Edible	India, Indonesia, Malaysia, Myanmar, Sri Lanka, Thailand

Xerospermum noronhianum (Blume) Blume = *Euphoria noronhiana* Blume						+			+		+	+	500-1000	D	Feb-May	Jun-Nov	White, yellow	Edible, Medicinal, Misc.	India, Bangladesh, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Thailand
SAPOTACEAE																			
Aesandra butyracea (Roxb.) Baehni = *Bassia butyracea* Roxb.				+	+	+	+	+	+	+	+	+	400-1600	D	Feb-Mar	Mar-Jun	White	Fodder, Edible	India, Bhutan, Nepal
Chrysophyllum lanceolatum (Blume) A. DC. = *Nycterisition lanceolatum* Blume						+		+	+	+	+		600-1000	E	Apr-Jun	Jul-Nov	Cream	Misc.	India, Bangladesh, Bhutan, China, Madagascar, Nepal, Taiwan, Vietnam
Chrysophyllum roxburghii G. Don					+					+	+	+	600-1000	E	Mar-Apr	Apr-May	Greenish white	Edible	India, Brunei, Cambodia, Indonesia, Laos, Madagascar, Malaysia, New Guinea, Papua, Philippines, Queensland, Solomon Islands, Sri Lanka, Thailand, Vietnam
Madhuca longifolia (J. Koenig *ex* L.) J.F. Macbr. = *Bassia longifolia* J. Koenig *ex* L.	+	+	+	+	+	+	+	+	+	+	+	+	800-1200	E	Apr-Jun	Jul-Aug	White	Medicinal, Fodder	India, Bangladesh, Sri Lanka
Mimusops elengi L.		+		+	+	+	+	+	+	+	+	+	300-800	E	Sep-Oct	Nov-Dec	Creamy white	Edible, Avenue	India, Malaya Peninsula, N America, Sri Lanka
Palaquium obovatum (Griff.) Engl. = *Isonandra obovata* Griff.						+		+					1200-2500	E	Mar-Oct	Oct-Dec	Greenish white	Misc.	India, Cambodia, Indonesia, Malaysia, New Guinea, Pacific Islands, Philippines, Sri Lanka, Thailand, Vietnam
Palaquium polyanthum (Wall. *ex* G. Don) Baill. = *Bassia polyantha* Wall. *ex* G. Don				+		+	+	+	+		+	+	1200-2500	E	Mar-Oct	Oct-Dec	Yellowish grey	Misc.	India, Taiwan
Pouteria grandifolia (Wall.) Baehni = *Sideroxylon grandifolium* Wall.									+				500-1200	E	Mar-Oct	Oct-Dec	Pale yellow	Edible	India, China, Myanmar, Thailand
Sarcosperma arboreum Buch.-Ham. *ex* C.B. Clarke				+	+	+			+	+	+	+	500-2500	D	Sep-Apr	Mar-Jun	Greenish white	Misc	India, China, Myanmar, Thailand
Sarcosperma griffithii Hook. f. *ex* C.B. Clarke						+					+	+	500-800	E	Mar-Apr	May-Oct	Pale green	Edible	India, China, Taiwan
Sideroxylon assamicum C.B. Clarke				+	+		+			+	+	+	600-1200	D	Sep-Apr	Mar-Jun	White	Timber	India, Bangladesh
Sideroxylon grandiflorum A. DC.							+	+	+	+		+	600-1200	D	Sep-Oct	Sep-Oct	White	Timber	India, Madagascar

Xantolis hookeri (C.B. Clarke) P. Royen= *Sideroxylon hookeri* C.B. Clarke									+				600-1400	E	Dec-Jan	Jan-Feb	White	Edible	India, Malaysia
SCHISANDRACEAE																			
Illicium cambodianum Hance					+	+	+	+	+	+			900-1200	E	Apr-May	May-Jun	Pink	Misc.	India, Cambodia, Myanmar
Illicium griffithii Hook. f. & Thomson						+		+					1200-2300	E	Apr-Jun	Jul-Nov	Greenish white	Medicinal	India, Bangladesh, Bhutan, China
Illicium manipurense Watt *ex* King						+		+	+		+		1700-2500	E	Mar-Jun	Jun-Jul	Greenish white	Misc.	India, Myanmar
Illicium simonsii Maxim.						+	+	+			+		1700-2500	E	Feb-Mar	Mar-Jun	Pale yellow	Ornamental	India, China
SCHOEPFIACEAE																			
Schoepfia jasminodora Siebold & Zucc.				+	+	+	+	+					500-2600	D	Mar-May	Apr-Jun	White, Pale Yellow	Fuel, Timber	India, China, Japan, Thailand, Vietnam
Schoepfia fragrans Wall.						+	+	+	+		+	+	800-2100	D	Sep-Dec	Oct-Mar	White, Pale yellow	Misc.	India, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Myanmar, Nepal, Thailand, Vietnam
SCROPHULARIACEAE																			
Wightia speciosissima (D. Don) Merr. = *Gmelina speciosissima* D. Don				+					+				1200-2500	D	Sep-Oct	Oct-Nov	Reddish	Misc.	India, Bhutan, Myanmar, Nepal, Thailand, Vietnam
SIMARUBACEAE																			
Ailanthus altissima (Mill.) Swingle	+	+	+										300-2500	D	May-Jun	Jul-Sep	Green	Ornamental, Medicinal	India, China, Pakistan
Ailanthus integrifolia Lam.				+	+	+		+	+	+	+	+	300-800	E	May-Jun	Jul-Aug	Green	Misc.	India, Indonesia, Malaysia, New Guinea, Papua, Solomon Islands, Vietnam
Ailanthus integrifolia Lam.*subsp. calycina* (Pierre) Noot.					+	+	+	+			+		300-1000	D	May-Jun	Jul-Aug	Green	Misc.	India, Indonesia, Malaysia, New Guinea, Papua, Solomon Islands, Vietnam
Ailanthus excelsa Roxb.				+	+	+		+	+	+	+	+	600-1000	D	Dec-Jul	Jul-Sep	Yellow	Medicinal, Fodder	India, China, Pakistan
Brucea javanica (L.) Merr. = *Rhus javanica* L.						+	+				+		300-1000	E	Jun-Jul	Aug-Oct	Greenish white	Medicinal	India, Australia, Indonesia, China, Malaysia, Myanmar, Philippines, Singapore, Sri Lanka, Taiwan
Picrasma javanica Blume				+	+	+		+	+	+	+	+	600-1200	E	Apr-May	Jun-Sep	Yellowish green	Medicinal	India, Bhutan, Japan, Korea, Nepal, Sri Lanka
Picrasma quassioides (D. Don) Benn. [76]= *Simaba quassioides* D. Don	+	+	+			+	+	+			+		900-2500	D	Apr-May	Jun-Sep	Yellow	Medicinal	India, Bhutan, Japan, Korea, Nepal, Sri Lanka

SONNERATIACEAE																			
Duabanga grandiflora (Roxb. *ex* DC.) Walp. = *Lagerstroemia grandiflora* Roxb. *ex* DC.					+	+		+	+	+		+	800-1500	D	Mar-Apr	May-Jun	Creamy white	Timber	India, Cambodia, China, Laos, Malaysia, Myanmar, Thailand, Vietnam
STACHYURACEAE																			
Stachyurus himalaicus Hook. f. & Thomson				+	+	+	+					+	400-3000	D	Mar-Apr	May-Aug	Yellow	Misc.	India, Bhutan, China, Myanmar, Nepal
STAPHYLEACEAE																			
Turpinia nepalensis Wall. *ex* Wight & Arn.	+	+	+	+	+	+	+				+	+	1300-2300	E	Mar-May	Jun-Aug	White	Medicinal, Misc.	India, Bhutan, China, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Turpinia pomifera (Roxb.) DC. = *Dalrympelea pomifera* Roxb.				+	+	+	+	+	+	+	+	+	300-1500	E	Jan-Apr	Jun-Aug	Yellow	Medicinal, Misc.	India, Bhutan, China, Malaysia, Myanmar, Nepal, Thailand, Vietnam
STYRACACEAE																			
Alniphyllum fortunei (Hemsl.) Makino = *Halesia fortunei* Hemsl.				+	+	+	+	+	+	+	+		200-2200	D	Apr-Jul	Aug-Oct	White	Misc.	India, China, Laos, Myanmar, Vietnam
Bruinsmia polysperma (C.B. Clarke) Steenis = *Styrax polyspermus* C.B. Clarke						+					+		1100-1300	D	Apr-Jul	Oct-Dec	White	Edible	India, China
Parastyrax lacei (W.W. Sm.) W.W. Sm. = *Styrax lacei* W.W. Sm.					+	+	+		+			+	800-1500	D	Jun-Mar	Jun-Aug	Cream	Fiber	India, China, Myanmar
Styrax grandiflorus Griff.				+		+	+	+			+		1000-2200	D	Apr-Jun	Aug-Oct	White	Misc.	India, China, Myanmar, Nepal
Styrax hookeri C.B. Clarke				+	+	+		+					2000-2300	D	Apr-Jun	Aug-Oct	White	Misc.	India, Bhutan, China, Nepal
Styrax polyspermum C.B. Clarke					+							+	800-1900	D	Apr-Jun	Oct-Dec	White	Misc.	India, China, Myanmar
Styrax serrulatus Roxb.				+		+	+	+	+	+	+	+	800-1900	D	Mar-May	Jul-Nov	Yellow	Medicinal	India, China, Malaysia, Myanmar, Nepal, Thailand
SYMPLOCACEAE																			
Symplocos cochinchinensis (Lour.) S. Moore = *Dicalix cochinchinensis* Lour.				+	+	+	+		+	+	+		800-1500	E	Aug-Sep	Nov-Dec	Yellowish white	Tannin	India, Australia, Cambodia, Indonesia, Laos, Malaysia, Myanmar, New Guinea, Pacific Island, Philippines, Sri Lanka, Thailand, Vietnam

Symplocos cochinchinensis (Lour.) S. Moore *subsp. laurina* (Retz.) Noot. == *Myrtus laurina* Retz.						+			+		+		200-3000	E	Aug-Dec	Mar-Jun	White	Tannin	India,China
Symplocos dryophila C.B. Clarke					+	+	+	+					2100-3200	D	Mar-May	Jul-Aug	White	Misc	India, China, Myanmar, Nepal, Thailand, Vietnam
Symplocos ferruginea Roxb.		+	+		+							+	1200-1600	E	Sep-Nov	Oct-Dec	White	Tannin	India, Bhutan, China, Japan, Korea, Myanmar, Pakistan
Symplocos glauca (Thunb.) Koidz. = *Laurus glauca* Thunb.					+	+	+	+	+	+			600-3000	E	Apr-Aug	Aug-Oct	White	Medicinal	India, China, Japan, Myanmar, Thailand, Vietnam
Symplocos glomerata King *ex* C.B. Clarke				+	+	+	+	+			+	+	1200-2700	E	Apr-May	Jun-Jul	Yellowish white	Medicinal	India, China, Myanmar, Nepal, Thailand, Vietnam
Symplocos glandulifera Brand					+			+	+			+	1400-2000	E	Apr-May	Jun-Oct	Yellowish white	Medicinal	India, Bhutan, China, Japan, Korea, Myanmar, Pakistan
Symplocos hookeri C.B. Clarke					+		+	+	+		+	+	1500-1700	E	Apr-May	May-Aug	White	Misc.	India, China, Laos, Myanmar, Thailand, Vietnam
Symplocos khasiana Brand					+		+		+		+	+	1500-1700	E	Apr-May	May-Aug	White	Fodder	India, China, Myanmar, Nepal, Thailand, Vietnam
Symplocos lancifolia Siebold & Zucc.					+		+			+	+	+	800-1400	E	Mar-Nov	Jun-Dec	White	Misc.	India, China, Japan, Philippines, Vietnam
Symplocos macrophylla Wall. *ex* A. DC.					+		+						800-1200	E	Apr-Jun	Sep-Nov	Greenish white	Fodder	India, Sri Lanka
Symplocos oxyphylla Wall. *ex* A. DC.					+	+		+	+		+	+	1000-1600	E	Apr-Jun	Sep-Nov	White	Misc.	India, Cambodia, China, Japan, Laos, Malaysia, Thailand, Vietnam
Symplocos paniculata Miq. [77]	+	+	+	+	+	+	+	+	+		+	+	1000-3000	D	Apr-Jun	Sep-Nov	White	Medicinal	India, Bangladesh, Bhutan, China, Indonesia, Myanmar, Nepal, Sri Lanka
Symplocos pealii King *ex* Das					+				+		+	+	1000-3000	D	Apr-Jun	Sep-Nov	White	Misc.	India, Bhutan, China, Japan, Korea, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Symplocos pyrifolia Wall. *ex* G. Don					+		+				+		1400-2400	E	Apr-Jun	Sep-Nov	White	Edible	India, Bangladesh, Bhutan, Nepal
Symplocos racemosa Roxb. [78]		+	+	+	+	+	+	+	+	+	+	+	100-1600	E	Dec-Apr	Jun-Jul	White	Medicinal	India, Myanmar, Thailand, Vietnam
Symplocos ramosissima Wall. *ex* G. Don		+	+	+	+	+		+	+		+	+	1000-2600	E	Apr-May	May-Jun	White	Fuel	India, Bhutan, China, Myanmar, Nepal, Vietnam
Symplocos spicata Roxb.		+	+	+	+	+	+	+	+			+	500-1500	E	Sep-Oct	Oct-Nov	White	Misc.	India, China, Japan, Malaysia

Symplocos sumuntia Buch.-Ham. *ex* D. Don					+	+	+	+		+	+		100-1800	E	Feb-Nov	Apr-Nov	White	Tannin	India, Bhutan, China, Japan, Korea, Malaysia, Myanmar, Nepal, Thailand, Vietnam
Symplocos theaefolia D. Don		+	+	+		+		+		+	+		500- 2600	D	Mar-Dec	May-Dec	White	Misc.	India, Cambodia, China, Japan, Laos, Malaysia, Thailand, Vietnam
TAMARICACEAE																			
Tamarix dioica Roxb. *ex* Roth	+	+	+	+	+	+	+	+	+	+	+	+	300-1500	D	Almost the year	Almost the year	Purple	Edible	India, Afganistan, Bangladesh, Pakistan, Sri Lanka
TETRAMELACEAE																			
Tetrameles nudiflora R. Br.				+	+			+		+		+	500-700	D	Mar-Apr	May-Jun	Yellow	Misc.	India, Australia, Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Nepal, New Guinea, Sri Lanka, Thailand, Vietnam
THEACEAE																			
Adinandra griffithii Dyer							+				+	+	1200-1800	E	Apr-Jun	May-Dec	White	Misc.	India
Camellia kissii Wall.				+	+	+	+	+	+		+		900-2200	E	Nov-Dec	Sep-Oct	White	Edible, Medicinal	India, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Camellia kissi Wall. *var. stenophylla* (Kobuski) Sealy					+			+		+			1000-1500	E	Jul-Sep	Oct-Nov	White	Misc.	India, China, Myanmar
Camellia siangensis T.K. Paul & M.P. Nayar						+							1100-1800	E	Jul-Sep	Oct-Nov	Creamy white	Medicinal	India
Pyrenaria barringtoniifolia Seem.				+		+					+		300-1200	E	Mar-May	Oct-Feb	Creamy yellow	Medicinal	India
Schima wallichii (DC.) Korth.				+	+	+		+	+	+	+	+	800-1800	E	Apr-May	Nov-Dec	White	Timber	India, Bhutan, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Schima wallichii var. khasiana Bloemb.						+	+	+			+		900-1800	E	Apr-May	Nov-Dec	White	Misc.	India, Bhutan, Cambodia, China, Laos, Myanmar, Nepal, Thailand, Vietnam
THYMELACEAE																			
Aquilaria khasiana Hallier f.									+		+		400-1000	E	Apr-Aug	Nov-Dec	Yellow	Misc.	India, Bhutan, China, Laos, Myanmar, Nepal, Thailand, Vietnam
Aquilaria malaccensis Lam.				+	+	+	+	+	+	+	+	+	800-1200	E	Apr-Aug	Nov-Dec	White	Medicinal	India, Bangladesh, Bhutan, Iran, Malaysia, Myanmar, Philippines, Singapore, Thailand
Edgeworthia gardneri Meisn. *ex* Wall.					+	+		+	+				1000-2500	D	Jan-Mar	May-Jun	White	Misc.	India, Bhutan, China, Myanmar, Nepal
TROCHODENDRACEAE																			
Tetracentron sinense Oliv.				+		+							2200-3300	D	Apr-Jul	Jul-Oct	Yellowish green	Misc.	India, Bhutan, Myanmar, Nepal, Vietnam
ULMACEAE																			
Holoptelea integrifolia Rendle	+	+	+	+	+	+	+	+	+	+	+	+	200-800	D	Feb-May	May-Jul	Greenish yellow	Avenue, Fodder	India, Afganistan, Bangladesh, China, Myanmar, Nepal, Pakistan

Ulmus brandisiana Schn.		+	+										2200-3000	D	Mar-Apr	May-Jun	Greenish yellow	Fuel	India, Pakistan
Ulmus chumlia Melville & Heybroek	+	+	+	+									1100-2000	D	Feb-Mar	Jun-Jul	Green	Fuel	India, Bhutan, China, Myanmar, Thailand
Ulmus villosa Brandis *ex* Gamble	+	+											1200-2700	D	Mar-Apr	May-Jun	Green	Fuel	India, Afganistan, Myanmar, Nepal, Pakistan
Ulmus wallichiana Planch.	+	+	+										2200-3000	D	Mar-Apr	May-Jun	Green	Fuel, Medicinal	India, Nepal, Pakistan
Ulmus wallichiana var. tomentosa Melville & Heybroek	+												2000-3000	D	Mar-Apr	May-Jun	Green	Misc.	India
Ulmus lanceifolia Roxb. *ex* Wall.				+	+	+	+	+	+	+	+	+	300-1500	E	Mar-Apr	May-Jun	Green	Fuel	India, Bhutan, Laos, Myanmar, Thailand, Vietnam
URTICACEAE																			
Boehmeria rugulosa Wedd. [79]	+	+	+	+	+	+	+	+	+	+	+	+	500-1500	D	May-Aug	Jul-Sep	Greenish brown	Fodder	India, China, Nepal
Boehmeria glomerulifera Miq.					+			+	+				500-1500	D	Apr-Jun	Jun-Sep	Greenish brown	Fiber	India, Bhutan, Indonesia, Laos, Myanmar, Sri Lanka, Thailand, Vietnam
Boehmeria caudata Sw.						+	+	+					400-1500	D	May-Aug	Jul-Sep	Greenish brown	Fiber	India, Bhutan, Myanmar, Nepal, Vietnam
Debregeasia longifolia (Burm. f.) Wedd.	+	+	+	+	+	+	+	+	+		+	+	1300-2300	D	Apr-Jun	Jun-Sep	Green	Fiber	India, Afganistan, China, Malaysia, Myanmar, Pakistan, Sri Lanka
Debregeasia wallichiana (Wedd.) Wedd.				+	+	+			+	+	+	+	400-1200	E	May-Aug	Jul-Sep	Green	Fiber	India, Bhutan, China, Myanmar, Nepal
Dendrocnide sinuata (Blume) Chew				+	+					+			300-800	E	Apr-Jun	Jun-Sep	Greenish brown	Medicinal	India, Bhutan, China, Indonesia, Myanmar, Thailand
Oreocnide integrifolia (Gaudich.) Miq.					+	+			+	+		+	200-1400	E	Mar-May	Jul-Sep	Green	Fiber	India, Bhutan, China, Indonesia, Laos, Myanmar, Thailand, Vietnam
Sarcochlamys pulcherrima Gaudich.				+	+								800-1400	E	Apr-Jun	Jun-Sep	Green	Fiber	India, Bhutan, China, Indonesia, Myanmar, Thailand
VIOLACEAE																			
Rinorea bengalensis (Wall.) Gagnep. in Humbert = *Alsodeia bengalensis* Wall.				+	+	+	+			+	+		300-800	E	Apr-May	Sep-Oct	White	Misc.	India, Australia, China, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam

Annexure - II : Cultivated Angiosperm trees of Indian Himalayan Region

Taxa	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS	Altitudinal Range (m)	Tree habit	Flowering	Frutiting	Flower Color	Uses	Distribution
ANACARDIACEAE																			
Anacardium occidentale L.								+	+	+	+		300-600	D	Mar-Apr	Jul-Aug	Greenish yellow	Edible	India, Africa , Bangladesh, China, Myanmar, N. America, Philippines, Sri Lanka
Buchanania lanzan Spreng.			+	+	+	+		+	+	+	+		500-1300	D	Jan-Apr	Apr-May	Greenish white	Edible, Oranametal	India, Myanmar
Mangifera indica L.	+	+	+	+	+	+	+	+	+	+	+	+	200-1400	D	Mar-Apr	May-Jul	Greenish yellow	Edible	India, Africa , Bangladesh, China, Myanmar, N. America, Philippines, Sri Lanka
ANNONACEAE																			
Annona reticulata L. = *Annona mucosa* Jacq.			+	+	+	+	+	+	+	+	+	+	400-1200	D	May-Jul	Sep-Jan	Greenish yellow	Edible	India, Bhutan, Camroon, Congo,Gambia, Ghana, Liberia, Mali, Nigeria, Sierra, Togo
Annona squamosa L.	+	+	+	+	+	+	+		+	+	+	+	300-800	D	Apr-Aug	Aug-Sep	Pale Yellow		India, N. America, WestIndies
Polyalthia longifolia (Sonn.) Thwaites = *Uvaria longifolia* Sonn.	+	+	+								+		200-1200	E	Mar-May	Jul-Sep	Greenish yellow	Misc.	India, Sri Lanka
APOCYNACEAE																			
Alstonia scholaris (L.) R. Br. = *Echites scholaris* L.	+	+	+	+	+	+	+	+	+	+	+	+	300-800	E	Dec-Mar	May-Jun	White	Ornamental	India, Bhutan, Camroon, Congo,Gambia, Ghana, Liberia, Mali, Nigeria, Sierra, Togo
Nerium oleander L. [4]	+	+	+	+	+	+	+	+	+	+	+	+	300-2800	E	Mar-Apr	Mar-Apr	Pink	Medicinal, Ornamental	India, Bhutan, China, Malaysia, Nepal, Peru
Plumeria inodora Jacq.			+			+		+	+	+			800-2000	E	May-Jun	Jul-Sep	White	Ornamental	India, Bhutan, Camroon, Congo,Gambia, Ghana, Liberia, Mali, Nigeria, Sierra, Togo
Plumeria rubra L.	+	+	+		+	+	+		+		+		1000-1500	E	May-Jun	Jul-Sep	White	Ornamental	India, America, Guetemala, Mexico, Pakistan
Thevetia peruviana (Pers.) K. Schum. = *Cerbera peruviana* Pers.	+	+	+	+	+	+	+	+	+		+	+	1200-2600	E	Mar-Apr	May-Sep	Greenish yellow	Medicinal, Ornamental	India, Bhutan, China, Malaysia, Nepal, Peru
BIGNONIACEAE																			
Fernandoa adenophylla (Wall. *ex* G. Don) Steenis = *Bignonia adenophylla* Wall. *ex* G. Don				+	+	+	+	+			+	+	1100-1800	D	Aug-Sep	Sep-Nov	Yellow	Ornamental	India, Bangladesh, Pakistan

Jacaranda mimosifolia D. Don [80]	+	+	+	+	+	+	+	+	+		+	+	1200-2600	D	Mar-Apr	May-Sep	Purple	Avenue	India, Argentina, Australia, Brazil, Pakistan
Kigelia africana (Lam.) Benth. = *Bignonia africana* Lam.	+	+	+					+	+	+			200-800	D	May-Jul	Sep-Oct	Red	Medicinal	India, China, Mozambique
Millingtonia hortensis L. f.	+	+	+	+			+					+	1200-2500	E	Mar-Oct	Oct-Nov	White	Avenue	India, Australia
Paulownia tomentosa (Thunb.) Steud. = *Bignonia tomentosa* Thunb.			+	+	+	+	+	+	+				1100-1800	D	Mar-Apr	May-Sep	Purple	Avenue	India, America, Bhutan, China, Columbia, Ehiopia, Myanmar,Nepal
Tecoma stans (L.) Juss. *ex* Kunth = *Bignonia stans* L.	+	+	+	+	+	+	+	+	+	+	+	+	500-2600	E	Mar-Oct	Oct-Nov	Yellow	Ornamental	India, Bhutan, Camroon, Congo,Gambia, Ghana, Liberia, Mali, Nigeria, Sierra, Togo
BIXACEAE																			
Bixa orellana L.			+	+	+	+	+	+	+	+	+	+	800-2000	D	Aug- Nov	Dec-Feb	White	Misc.	India, China, Myanmar, N America, S America
CARICACEAE																			
Carica papaya L.	+	+	+	+	+	+	+	+	+	+	+	+	200-2200	D	Apr-Jun	Jul-Sep	White	Edible	India, China, Myanmar, Pakistan,N America, S America
CASUARINACEAE																			
Casuarina litoralis L.	+	+	+	+				+	+	+			200-2200	E	Apr-Jun	Jul-Sep	Red	Misc.	India, Africa, Pakistan
FABACEAE																			
Delonix regia (Bojer *ex* Hook.) Raf. [81] = *Poinciana regia* Bojer *ex* Hook.	+	+	+	+	+	+	+	+	+	+	+	+	500-1000	D	Mar-Apr	Jun-Jul	Reddish	Avenue, Ornamental	India, America, Bhutan, China, Columbia, Ehiopia, Nepal, Myanmar
Leucaena leucocephala (Lam) De wit [82] = *Mimosa leucocephala* Lam.	+	+	+	+	+	+	+	+	+	+	+	+	200- 2000	E	Jun-Sep	Sep-Dec	White	Fodder, Fuel	India, Pakistan, S America
Robinia pseudoacacia L. [83]	+	+	+	+	+	+	+	+	+		+	+	1200-2400	D	Mar- May	May-Jun	White	Avenue	India, America, Bhutan, China, Columbia, Ehiopia, Nepal, Myanmar
Saraca asoca (Roxb.) De Wilde [84] = *Jonesia asoca* Roxb.	+	+	+	+	+	+	+	+	+	+	+	+	500-1000	E	Mar- May	May-Jun	Reddish	Avenue, Ornamental	India, China, Myanmar, N America, S America
Tamarindus indica L.	+	+	+	+	+	+		+	+	+	+	+	400-800	E	May-Jun	Mar-Apr	Yellowish	Edible	India, Africa, China, Pakistan

LYTHRACEAE																			
Lagerstroemia hirsuta Rottler	+	+	+	+	+	+	+				+		200-1800	D	Jun-Sep	Sep-Nov	Purple	Ornamental	India, Bhutan
Lagerstroemia indica L.	+	+	+	+	+		+	+	+	+	+	+	200-1800	D	Jun-Sep	Sep-Nov	Purple	Ornamental, Misc.	India, Bangladesh, Bhutan, Cambodia, China, Indonesia, Japan, Laos, Malaysia, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand, Vietnam
Lagerstroemia parviflora Roxb.	+	+	+	+	+	+		+	+	+	+	+	600-1000	D	Jun-Sep	Sep-Nov	White	Fodder	India, Cambodia, China, Indonesia, Malaysia, Myanmar, Philippines, Sri lanka, Thailand, Vietnam
Punica granatum L. [85]	+	+	+	+	+	+	+	+	+	+	+	+	500-2800	E	Jun-Sep	Sep-Dec	Orange	Edible	India, China, Myanmar, Pakistan, N America, S America
MAGNOLIACEAE																			
Magnolia grandiflora L.		+	+	+	+	+	+	+	+		+	+	1500-2000	E	May-Jun	Sep-Oct	White	Ornamental	India, China, Myanmar, N America
Magnolia hodgsonii (Hook. f. & Thomson) H. Keng = *Talauma hodgsonii* Hook. f. & Thomson	+	+		+	+	+		+	+		+		800-1500	E	Apr-May	Aug-Sep	White	Ornamental	India, China, Myanmar, N America, Pakistan
Michelia champaca L.	+	+	+	+	+	+	+	+	+	+	+	+	800-1500	E	Apr-May	Aug-Sep	White	Ornamental	India, Bangladesh, China, Java, Malaysia, Myanmar, Nepal
Michelia doltsopa Buch.-Ham. *ex* DC.	+		+	+		+		+	+		+		1000-2500	E	Apr-May	Aug-Sep	White	Ornamental	India, Java
Michelia kisopa Buch.-Ham. *ex* DC.		+	+	+	+	+	+				+	+	1500-2100	E	Apr-May	Aug-Sep	Creamy white	Ornamental	India, Nepal
Oyama globosa (Hook. f. & Thomson) N.H. Xia & C.Y. Wu = *Magnolia globosa* Hook. f. & Thomson			+	+					+		+		1300-2500	E	May-Jun	Jul-Aug	White	Ornamental	India, Bhutan, China, Nepal
Yulania campbellii (Hook. f. & Thomson) D.L. Fu = *Magnolia campbellii* Hook. f. & Thomson				+		+			+		+	+	1000-3000	D	Feb-May	Jun-Oct	Yellowish white	Ornamental	India, China, Myanmar
MALVACEAE																			
Ceiba pentandra (L.) Gaertn. = *Bombax pentandrum* L.				+		+		+			+	+	500-1600	D	Dec-Feb	Feb-Apr	Pink	Gum/ Medicinal	India, S. America
Guazuma ulmifolia Lam.									+		+		500-1600	D	Mar-Sep	Jun-Feb	Yellow	Misc.	India, America, Indonesia
Hibiscus mutabilis L. [86]	+	+	+	+	+	+	+	+	+	+	+	+	500-1600	D	Mar-Sep	Jun-Feb	Yellow	Ornamental	India, China, Myanmar, N America, Pakistan

Kleinhovia hospita L.										+			800-1500	D	Oct-Nov	Dec-Jan	Pink	Misc.	India, Australia, Malaysia, Polynesia, S Africa, Sri Lanka
Cola acuminata (P. Beauv.) Schott & Endl. = *Sterculia acuminata* P. Beauv.									+		+		800-1500	D	Apr-May	Aug-Sep	White	Ornamental	India, Australia, Malaysia, Polynesia, S Africa, Sri Lanka
MORACEAE																			
Artocarpus heterophyllus Lam.	+	+	+	+	+	+	+	+	+	+	+	+	200-1000	D	Apr-May	Jun-Sep		Edible	India, Asia, Africa, Brazil
MYRTACEAE																			
Callistemon citrinus (Curtis) Skeels [87]	+	+	+	+	+	+	+	+	+	+	+	+	200- 2800	E	Throughout the area		Red	Misc.	Cosmopolitan
Eucalyptus bicolor A. Cunn.		+		+		+		+	+				500-1500	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus camaldulensis Denham.	+	+	+			+	+			+	+		400-1600	E	Throughout the area		White	Misc.	Cosmopolitan
Corymbia citriodora (Hook.) K.D. Hill & L.A.S. Johnson = *Eucalyptus citriodora* Hook.			+	+		+		+		+	+		600-1800	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus coriacea A. Cunn.				+		+		+	+	+	+		500-1500	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus crebra F. V. Muell.		+		+				+					500-1500	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus drepanophylla F. V. Muell. *ex* Benth.	+	+	+	+		+		+			+		1000-2000	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus globulus Labill. [88]	+	+	+	+	+	+	+	+	+	+	+	+	500-1600	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus maculata Hook.									+	+			500-1600	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus obliqua L. Her.	+	+	+	+		+							600-1400	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus saligna Sm.	+	+	+	+				+		+			500-1600	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus staigeriana F. V. Muell. *ex* F.M. Bailey			+	+							+		500-1500	E	Throughout the area		White	Misc.	Cosmopolitan
Eucalyptus tereticornis Sm.			+			+	+	+					600-1400	E	Throughout the area		White	Misc.	Cosmopolitan
Psidium guajava L.	+	+	+	+	+	+	+	+	+	+	+	+	500-2600	D	Throughout the area		White	Edible	Cosmopolitan
OXALIDACEAE																			
Averrhoa carambola L.				+	+	+	+	+	+	+	+	+	500-1000	E	Mar-Apr	Jun-Jul	Pink	Edible	India, China, Madagascar, Malaysia, Myanmar, Pakistan

PLATANACEAE																			
Platanus orientalis L. [89]	+	+	+	+	+	+	+						2500-3000	D	Mar-Apr	Sep-Nov	Reddish green	Ornamental	India, China, Japan, Pakistan
ROSACEAE																			
Malus baccata (L.) Borkh = *Pyrus baccata* L.	+	+	+	+	+	+	+	+	+		+	+	1500-3400	D	Apr-May	Jul-Sep	White	Edible	India, Bangladesh, China, Myanmar, Thailand, Turkey
Malus pumila Mill.	+	+	+	+	+	+	+	+	+		+	+	1500-3000	D	Apr-May	Jul-Sep	White	Fodder	India, Bangladesh, Bhutan, Iran, N America, Russia, Turkey
Malus sylvestris Mill.	+	+	+	+	+	+	+	+	+		+	+	1500-3000	D	Apr-May	Jul-Sep	White	Edible	India, Bangladesh, Bhutan, Iran, N America, Russia, Turkey
Prunus dulcis (Mill.) D.A. Webb = *Amygdalus dulcis* Mill.	+	+	+	+	+	+	+	+	+	+	+	+	1500-3400	D	Apr-May	Jul-Sep	White	Edible	India, Bangladesh, China, Myanmar, Thailand, Turkey
Prunus armeniaca L. = *Armeniaca vulgaris* Lam.	+	+	+	+	+	+	+	+			+	+	1600-3000	D	Apr-May	Jul-Aug	White	Edible	India, China, Japan, Pakistan
Prunus avium (L.) L. = *Cerasus avium* (L.) Moench	+	+	+	+				+	+				1500-2400	D	Mar-May	Jun-Jul	White	Misc.	India, Europe, Turkey
Prunus communis (L.) Arcang. /*Prunus domestica* L.	+	+	+	+	+	+	+	+	+	+	+	+	600-3000	D	Apr-May	Jul-Sep	White	Edible	India, Bangladesh, China, Myanmar, Thailand, Turkey
Prunus persica (L.) Batsch = *Amygdalus persica* L.	+	+	+	+	+	+	+	+					2400-3200	D	Apr-May	Jul-Sep	Pink	Edible	India, Bangladesh, China, Myanmar, Thailand, Turkey
Pyrus communis L. [90]	+	+	+	+	+			+					2000-2500	D	Apr-May	Jul-Sep	Pink	Edible	India, Bangladesh, Myanmar, Indochina,Thailand, Turkey
RUBIACEAE																			
Coffea arabica L.					+	+		+		+			200-700	E	May-Jun	Jun-Aug	White	Edible	India, Ethiopia, Kenya, Sudan
RUTACEAE																			
Citrus assamensis R.M. Dutta & Bhattacharya											+	+	1000-1500	E	May-Sep	Sep-Dec	White	Edible	India, China
Citrus aurantifolia Swingle	+	+	+	+	+	+	+	+	+		+	+	1000-2000	E	Jan-Feb	Apr-Sep	White	Edible	India, China, Malaysia, N America
Citrus grandis (L.) Osbeck = *Citrus aurantium var. grandis* L.	+	+	+	+			+				+	+	1000-2000	E	Mar-Apr	May-Jan	White	Edible	India, China, Malaysia,Pakistan
Citrus indica Yu. Tanaka							+	+	+		+		1500-2500	E	Mar-Apr	Oct-Nov	White	Edible	India, China, Malaysia, N America

Citrus jambhiri Lushington	+	+	+	+	+	+	+	+	+	+	+	+	500-1200	E	Mar-Apr	May-Jan	Greenish white	Medicinal	India, China, Myanmar, Nepal, Pakistan
Citrus latipes Hook. f. & Thomson *ex* Hook. f.	+	+	+	+	+	+	+	+	+		+	+	1000-2000	E	Mar-Apr	May-Jan	Greenish white	Medicinal	India, Bhutan, Myanmar, Nepal
Citrus macroptera var. annamensis Yu. Tanaka									+				1500-2500	E	Mar-Apr	Oct-Nov	White	Edible	India, Bangladesh, China, Myanmar, Thailand
Citrus medica L.	+	+	+	+	+	+	+	+	+		+	+	1500-2500	E	Mar-Apr	Oct-Nov	White	Edible	India, China, Malaysia, N America
Citrus reticulata Blanco		+	+	+	+	+	+	+	+		+	+	1500-2500	E	Jan-Feb	Apr-Sep	White	Edible	India, China, Malaysia, N America
Citrus sinensis (L.) Osbeck =*Aurantium maximum* Burm.	+	+	+	+	+	+	+	+	+		+	+	1500-2500	E	Mar-Apr	Oct-Nov	White	Edible	India, China, Malaysia, N America
SALICACEAE																			
Populus ciliata Wall. *ex* Royle [91]	+	+	+	+	+	+		+	+		+	+	1500-2000	D	Mar-Apr	Jun-Jul	Green	Timber	India, Bhutan, Myanmar, Nepal, Pakistan
Populus gamblei Dode				+	+	+		+	+		+	+	1500-2200	D	Feb-Mar	Apr-May	Green	Timber	India, Bhutan
Populus glauca Haines				+		+		+					2500-3300	D	Mar-Apr	Jun-Jul	Green	Timber	India, China
Salix babylonica L. [92]	+	+	+	+	+	+		+			+		1800-3200	D	Mar-Apr	Apr-May	Green	Timber	India,China, Europe
Salix longiflora Wall. *ex* Andersson				+	+						+		1800-3200	D	Mar-Apr	Apr-May	Green	Timber	India, Bhutan
Salix tetrasperma Roxb.	+	+	+	+				+				+	200-1800	D	Sep-Oct or Jan-Apr	Nov-Dec	Green	Fodder	India, Indonesia, Malaysia, Myanmar, Pakistan, Philippines, Thailand, Vietnam
SANTALACEAE																			
Santalum album L.	+	+	+	+	+	+		+	+	+	+	+	900-2500	E	Mar-Jun	May-Jul	Red	Sacred	India, Bhutan, Nepal
SAPINDACEAE																			
Litchi chinensis Sonn.	+	+	+	+	+	+	+	+	+	+	+	+	300-1200	E	Apr-Jun	Jul-Dec	White	Edible	India, America, Pakistan, WestIndies

Annexure - III : Wild Gymnosperm trees of Indian Himalayan Region

Taxa	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS	Altitudinal Range (m)	Tree habit	Fl-Fr	Uses	Distribution
CUPRESSACEAE																	
Cupressus cashmeriana Royle ex Carr.	+	+	+										2000-2600	E	Jun-Nov	Fuel	India, Bhutan
Cupressus lusitanica Mill.	+	+	+	+	+	+	+	+	+	+	+	+	900-2900	E	Jun-Nov	Avenue	India, Mexico
Cupressus torulosa D. Don *ex* Lamb.[93]	+	+	+	+	+	+	+	+	+	+	+	+	900-3000	E	Jun-Nov	Avenue	India, Bhutan, China, Nepal
Juniperus indica Bertol.	+	+	+	+	+	+	+	+					2900-3300	E	Sep-Nov	Sacred, Fuel	India, Bhutan, China, Nepal, Pakistan
Juniperus excelsa M. Bieb.	+	+	+	+		+	+	+					2900-3300	E	Sep-Nov	Misc.	India, Bhutan, China, Nepal, Pakistan
Juniperus squamata Lamb.	+	+	+	+		+	+	+					2900-3300	E	Sep-Nov	Fuel	India, Afganistan, Bhutan, China, Myanmar, Nepal, Pakistan
Juniperus semiglobosa Regel[94]	+	+	+	+		+		+					2900-4200	E	Sep-Nov	Fuel	India, Afganistan, China, Kazakistan, Kyrgystan, Tazakistan, Uzbekistan
PINACEAE																	
Abies pindrow (Royle *ex* D. Don) Royle = *Pinus pindrow* Royle *ex* D. Don	+	+	+	+		+	+	+					2400-3000	E	Mar-Nov	Fuel	India, Afganistan, Bhutan, China, Nepal, Pakistan
Abies densa Griff.				+		+							2800-3700	E	Mar-Nov	Fuel	India, Bhutan, China, Nepal
Abies pectinata Gilib.								+					2400-3000	E	Mar-Nov	Fuel	India, Bhutan, China, Nepal
Abies spectabilis (D. Don) Spach[95] = *Pinus spectabilis* D. Don	+	+	+	+	+	+	+	+					2400-3000	E	Mar-Nov	Fuel	India, Afganistan, China, Nepal, Pakistan
Cedrus deodara (Roxb. ex D. Don) G. Don [96]= *Pinus deodara* Roxb. *ex* D. Don	+	+	+	+	+	+	+	+	+		+	+	1500-3000	E	Sep-Dec	Misc.	India, Afganistan, China, Nepal, Pakistan
Picea smithiana (Wall.) Boiss.[97] = *Pinus smithiana* Wall.	+	+	+	+	+		+	+				+	2100-3200	E	Mar-Jun	Fuel	India, Afganistan, China, Nepal
Picea spinulosa (Griff.) A. Henry = *Abies spinulosa* Griff.				+		+							2400-3200	E	Apr-May	Misc.	India, Bhutan, Myanmar
Pinus gerardiana Wall. *ex* D. Don	+	+	+	+	+	+	+	+					2600-3200	E	Mar-Jun	Edible	India, Afganistan, China, Pakistan
Pinus roxburghii Sarg.[98]	+	+	+	+	+	+	+	+	+	+	+	+	900-2500	E	Mar-Jun	Timber, Misc.	India, Afganistan, Bhutan, China, Myanmar, Nepal, Pakistan
Pinus wallichiana A.B. Jacks. [99]	+	+	+	+	+	+	+	+					2000-3200	E	Mar-Jun	Timber, Misc.	India, Afganistan, Bhutan, China, Myanmar, Nepal, Pakistan
Pinus wallichiana A.B. Jacks. *var. parva* Sahni						+							2000-3200	E	Apr-Jun	Timber	India, China
Tsuga dumosa (D. Don) Eichler = *Pinus dumosa* D. Don	+	+	+	+	+	+	+	+					2200-2800	E	Apr-Nov	Fuel	India, Bhutan, China, Indonesia, Myanmar, Nepal, Pakistan, Philippines, Vietnam

TAXACEAE																	
Amentotaxus assamica D.K. Ferguson						+							2400-3000	E	Mar-Oct	Misc.	India
Taxus wallichiana Zucc. [100]	+	+	+	+	+	+	+	+					2400-3000	E	Apr-Nov	Medicinal	India, Bhutan, China, Indonesia, Myanmar,Nepal, Pakistan, Philippines, Vietnam

Annexure - IV : Cultivated Gymnosperm trees of Indian Himalayan Region

Taxa	JK	HP	UK	SK	WB	AR	NL	MN	MZ	TR	ML	AS	Altitudinal Range (m)	Tree habit	Fl-Fr	Uses	Distribution
ARAUCARIACEAE																	
Agathis robusta (C.Moore) F.Bailey = *Dammara robusta* C. Moore ex F. Muell	+	+	+		+		+						2500-3000	E	Mar-Apr	Misc.	India, Australia, New Guinea, Papua
Araucaria araucana (Molina) K.Koch = *Pinus araucana* Molina				+	+	+	+				+	+	1600-2500	E	Mar-Apr	Avenue	India, Taiwan
Araucaria bidwillii Hook.	+	+	+	+	+	+	+	+					2400-2800	E	Feb-May	Avenue	India, Australia
Araucaria columnaris (Forst.) Hook. = *Cupressus columnaris* J.R. Forst.	+	+	+		+		+						2400-2800	E	Feb-May	Avenue	India, New caledonia
Araucaria cunninghamii Sweet	+	+	+		+								2400-3000	E	Jan-Mar	Avenue	India, Australia, New Guinea, Papua
CEPHALOTAXACEAE																	
Cephalotaxus fortunei Hook.f.					+								200-3700	E	Apr-Oct	Misc.	India, China, Myanmar
Cephalotaxus harringtonia (Knight ex J. Forbes) K. Koch = *Taxus harringtonia* Knight *ex* J. Forbes	+	+	+		+								2500-3000	E	Sep-Nov	Misc.	India, China, Malaysia, Philippines
Cephalotaxus mannii Hook.f.	+	+	+	+	+	+	+	+				+	700-1100	E	Mar-Oct	Misc.	India,China, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
CUPRESSACEAE																	
Callitris columellaris F. Muell.	+	+	+	+	+	+	+	+					2200-2600	E	Sep-Nov	Misc.	India, Australia
Callitris cupressiformis Vent.				+			+						2000-2800	E	Sep-Nov	Misc.	India,China, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam
Callitropsis funebris (Endl.) de Laub. & Husby, Chad E. = *Cupressus funebris* Endl.	+	+	+	+	+		+						2000-2600	E	Jun-Nov	Fuel	India, China
Cupressus sempervirens L.	+	+	+	+	+		+						2000-2800	E	Jun-Nov	Misc.	India, Greece, Israel, Jordan, Lebanon, Libiya, Turkey
Hesperocyparis arizonica (Greene) Bartel = *Cupressus arizonica* Greene	+	+	+	+	+	+	+	+			+		1800-2200	E	Jun-Nov	Fuel	India, N America, Mexico
Hesperocyparis goveniana (Gordon) Bartel = *Cupressus goveniana* Gordon	+	+	+	+	+	+	+	+					2500-3200	E	Jun-Nov	Fuel	India, California
Juniperus bermudiana L.	+	+	+	+	+	+	+	+					2500-3200	E	Sep-Nov	Misc.	India, Bermuda
Juniperus chinensis L.	+	+	+	+	+	+		+					2300-3000	E	Sep-Nov	Misc.	India, China, Japan, Myanmar, Taiwan
Juniperus deppeana Steud.	+	+	+		+								2300-3000	E	Sep-Nov	Misc.	India, Mexico, N. America

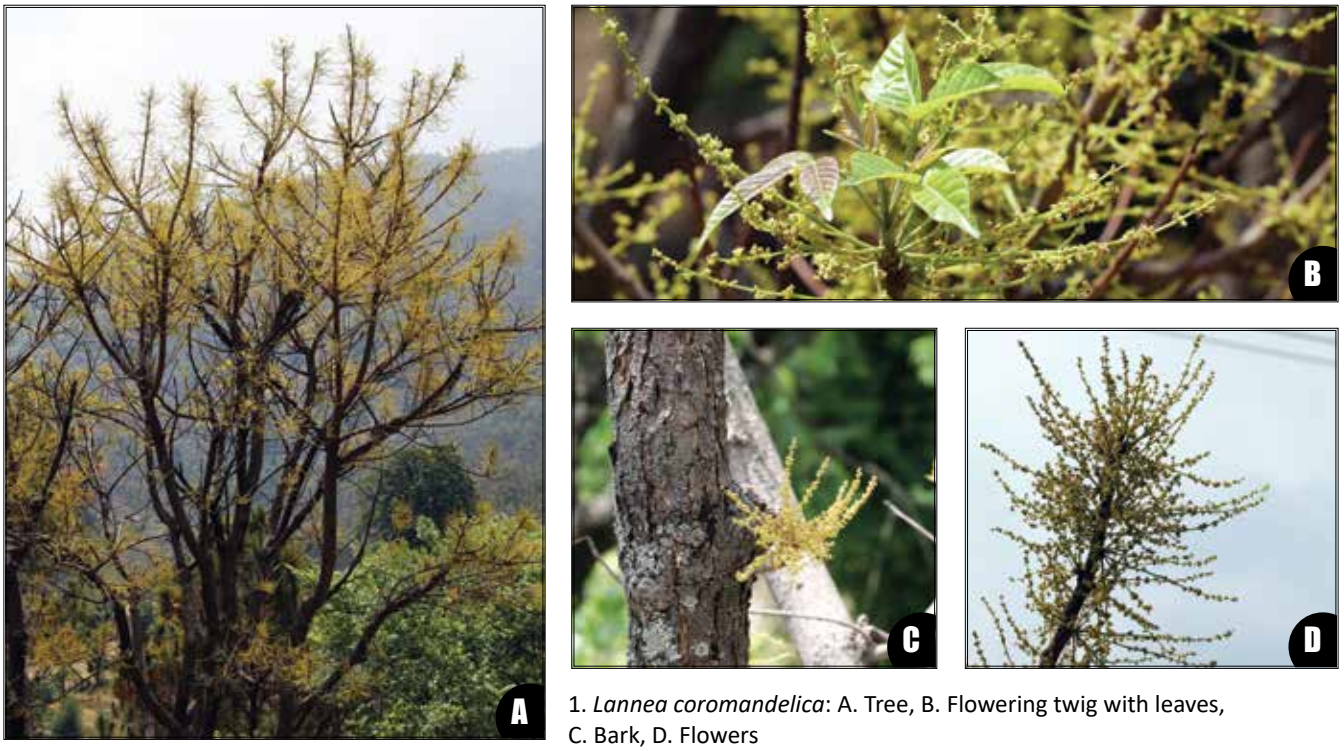
Juniperus oxycedrus L.	+	+	+	+	+	+	+						2900-3300	E	Sep-Nov	Misc.	India, Albania, Algeria, Andorra, Cyprus, Egypt, France, Gibralter, Greece, Itley, Lebanon, Libya, Monaco, Portugal, Saudi Arabia, Spain,Tunisia, Turkey
Juniperus phoenicea L.	+	+	+		+	+	+						3000-3400	E	Sep-Nov	Misc.	India, Albania, Algeria, Andorra, Cyprus, Egypt, France, Gibralter, Greece, Itley, Lebanon, Libya, Monaco, Portugal, Saudi Arabia, Spain,Tunisia, Turkey
Juniperus procera Hochst.	+	+	+	+	+		+						3000- 3800	E	Sep-Nov	Fuel	India, Congo, Eritrea, Ethiopia, Kenya, Malawi, Saudi Arabia, Somalia, Sudan, Tanzania, Uganda, Yemen, Zimbabwe
Juniperus scopulorum Sarg.	+	+	+	+	+							+	2900-3300	E	Sep-Nov	Fuel	India, Canada, S. America, Mexico
Thuja occidentalis L.	+	+	+	+	+	+	+	+	+	+	+	+	2200-2800	E	Sep-Nov	Avenue	India, Bhutan, China, Nepal, Pakistan, Taiwan
Thuja orientalis L.	+	+	+	+	+	+	+	+	+	+	+	+	2200-2800	E	Sep-Nov	Avenue	India, Bhutan, China, Nepal, Pakistan, Taiwan
CYCADACEAE																	
Cycas pectinata Griff.					+	+	+	+	+	+	+	+	800-1800	E	Jun-Mar	Avenue	India, Bangladesh, Myanmar, Nepal, Tennasserim, Thailand, Vietnam
Cycas revoluta Thunb.	+	+	+	+	+	+	+	+				+	2500-3000	E	Mar-Apr	Avenue	India, South Japan,China, Taiwan
Cycas rumphii Miq.					+	+	+	+	+		+	+	1000- 1700	E	Mar-May	Avenue	India, Sri Lanka, Malaysia, New Guinea, N.Australa, Molucca, S Tennasserim, Pakistan
Cycas siamensis Miq.					+	+	+	+	+	+	+		900-2000	E	Mar-Apr	Avenue	India, Myanmar, Thailand, Yunnan
GINKGOACEAE																	
Ginkgo biloba L.	+	+	+	+	+	+	+	+				+	2200-2800	D	Apr-Nov	Avenue, Medicinal	India, China
PINACEAE																	
Larix griffithii Hook. F. & Thoms.			+	+	+	+		+				+	2200-2500	E	Feb-May	Fuel	India, China, Japan,Taiwan
Pinus armandii Franchet				+	+	+	+	+	+	+	+	+	800-3300	E	Apr-Oct	Timber	India, China, Myanmar
Pinus bhutanica Grierson				+									1200- 2300	E	Apr-Oct	Fuel	India, Bhutan, China
Picea brachytyla (Franchet) Pritzel = *Abies brachytyla* Franch.				+	+	+	+	+	+		+	+	1200- 2300	E	Apr-Oct	Fuel	India, China, Japan,Taiwan
Pinus canariensis Sm.			+		+	+	+						1200-2500	E	Mar-Jun	Fuel	India, Spain
Pinus caribaea Morelet			+		+			+	+			+	1200-2500	E	Mar-Jun	Fuel	India, Carabia
Pinus densiflora Sieb. & Zucc.			+	+	+	+					+		1200-2500	E	Mar-Jun	Fuel	India, China, Japan, Korea

Pinus echinata Mill.	+	+	+	+	+	+	+	+				+	2000-2600	E	Mar-Jun	Fuel	India, N America, S America
Pinus halepensis Mill.			+	+	+	+		+				+	2100-2700	E	Mar-Jun	Fuel	India, Albania, Algeria, France, Greece, Itley, Lebanon, Libya, Malta, Montenegra, Morocco, Spain, Syria, Tunisia
Pinus hartwegii Lindl.			+	+	+		+	+					2100-2700	E	Mar-Jun	Fuel	India, Mexico
Pinus insularis Endl.			+	+	+	+	+	+	+		+	+	1600-2500	E	Feb-Apr	Fuel	India, Myanmar, Philippines
Pinus kesiya Royle	+	+	+	+	+	+	+						2000-2700	E	Mar-Jun	Fuel	India, China, Malaysia, Philippines
Pinus merkusii Jungh *ex* Devries	+	+	+	+	+	+		+				+	2000-2600	E	Feb-Mar	Fuel	India, Borneo,China, Java, Myanmar, Philippines, Sumatra, Thailand
Pinus oocarpa Schiede			+		+	+	+					+	2100-2700	E	Mar-Jun	Fuel	India, Mexico, Nicaragua
Pinus palustris Mill.			+										1200-2500	E	Mar-Jun	Fuel	India, Mexico, N America
Pinus patula (Shide) Deppe			+	+	+		+	+					2100-2700	E	Mar-Jun	Fuel	India, Mexico
Pinus pinea Roxb.			+		+	+	+	+					2000-2600	E	Mar-Jun	Fuel	India, Mexico, N America
Pinus radiata D.Don			+		+							+	2100-2700	E	Mar-Jun	Fuel	India, Mexico, N America
Pinus rigida Mill.			+	+		+	+	+					2000-2800	E	Mar-Jun	Fuel	India, Borneo,China, Java, Myanmar, Philippines, Sumatra, Thailand
PODOCARPACEAE																	
Afrocarpus gracilior (Pilg.) C.N. Page = *Podocarpus gracilior* Pilger	+	+	+		+		+					+	2500-3000	E	Sep-Nov	Misc.	India, Burundia, Kenya, Rwanda, Sudan, Tanzania, Uganda
Dacrydium elatum Wall. = *Juniperus elatus* Roxb.					+		+	+	+	+		+	600-1200	E	Mar-Nov	Misc.	India, Borneo, China, Philippines
Nageia wallichiana (C. Presl) Kuntze = *Podocarpus wallichianus* C. Presl							+						2000-2600	E	Mar-Nov	Misc.	India, Borneo, China, Philippines
Podocarpus cupressina Roxb.					+	+	+	+				+	2000-2600	E	Jun-Sep	Misc.	India, Borneo, China, Java, Myanmar, New Guiena, Philippines
Podocarpus latifolius (Thunb.) R.Br. ex Mirb. = *Taxus latifolius* Thunb.	+	+	+		+	+	+	+				+	2500-3000	E	Sep-Nov	Misc.	India, China, Martaban
Podocarpus macrophyllus (Thunb.) Sweet = *Taxus macrophylla* Thunb.	+	+	+		+	+	+						2200-3000	E	Sep-Nov	Misc.	Insdia, Bhutan, China, Nepal, Pakistan
Podocarpus neriifolius D.Don	+	+	+	+	+		+	+				+	2800-3000	E	Sep-Nov	Misc.	India, Bhutan, Myanmar, Malaya Peninsula, Taiwan
TAXODIACEAE																	
Cryptomeria japonica D.Don = *Cupressus japonica* Thunb. *ex* L. f.	+	+	+		+	+	+		+			+	1100-2500	E	Feb-Apr	Avenue, Misc.	India, China, Japan
Cunninghamia lanceolata (Lambert) hook.f. = *Pinus lanceolata* Lamb.	+	+	+		+		+	+			+		200-2800	E	Jul-Oct	Misc.	India, Cambodia, China, Laos, Vietnam

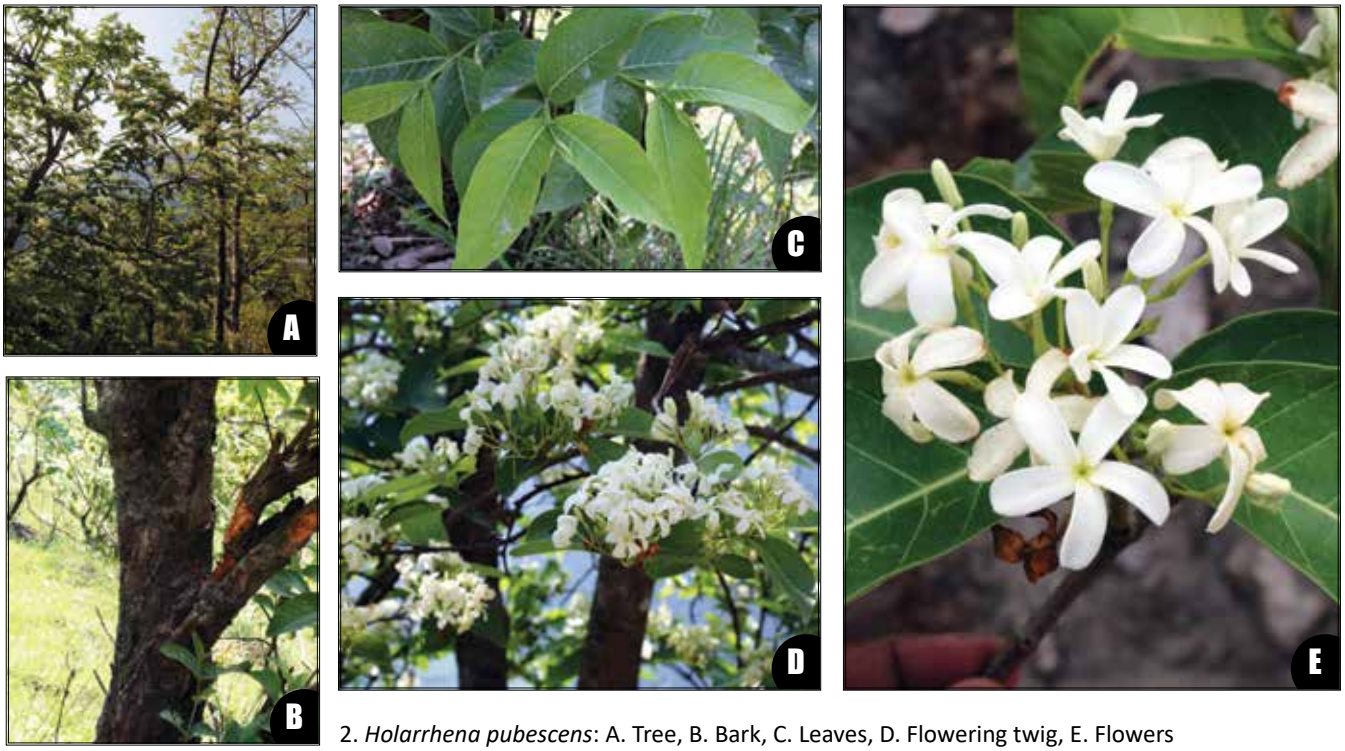
Metasequoia glyptostroboides Hu & Chang				+		+	+	+					1800- 2300	D	Feb-Nov	Avenue	India, China
Sequoia sempervirens (D.Don) Endl. = *Taxodium sempervirens* D. Don	+	+	+		+	+						+	2500-2800	E	Jul-Sep	Misc.	India, Mexico, N America
Taxodium mucronatum Tenore	+	+	+		+		+					+	2300-2600	D	Jul-Sep	Misc.	India, China, Mexico, N America

Abbreviations: IHR – Indian Himalayan Region, JK -Jammu and Kashmir, HP- Himachal Pradesh, UK –Uttarakhand, WB- West Bengal hills, AR- Arunachal Pradesh, NL- Nagaland, MN- Manipur, MZ- Mizoram, TR – Tripura, ML –Meghalaya, AS – Assam hills, D- Deciduous, E- Evergreen, Jan- January, Feb- February, Mar- March, Apr- April, Jun- June, Jul- July, Aug- August, Sep- September, Oct- October, Nov- November, Dec- December, Misc- Miscellaneous

Pictorial: Prominent Trees of IHR



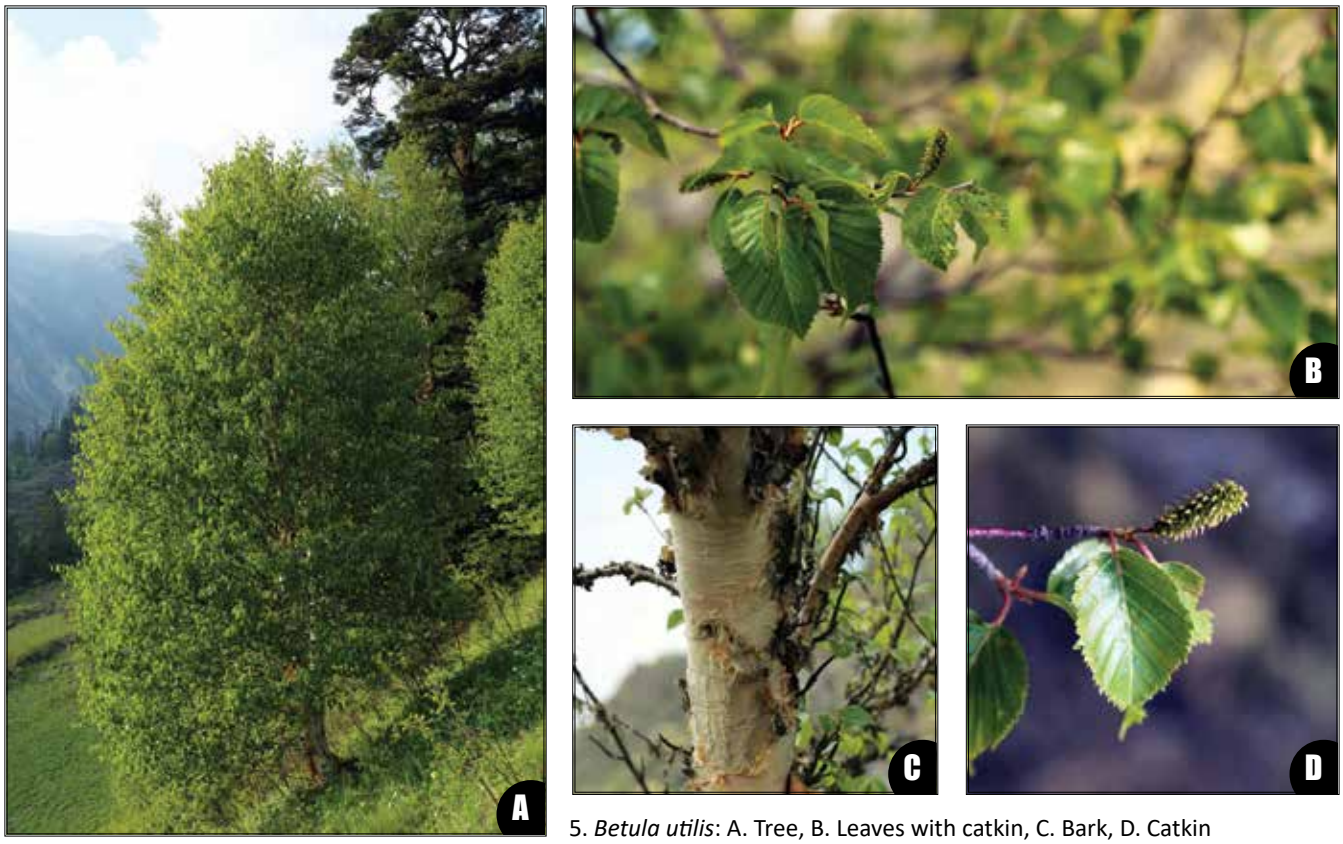
1. *Lannea coromandelica*: A. Tree, B. Flowering twig with leaves, C. Bark, D. Flowers



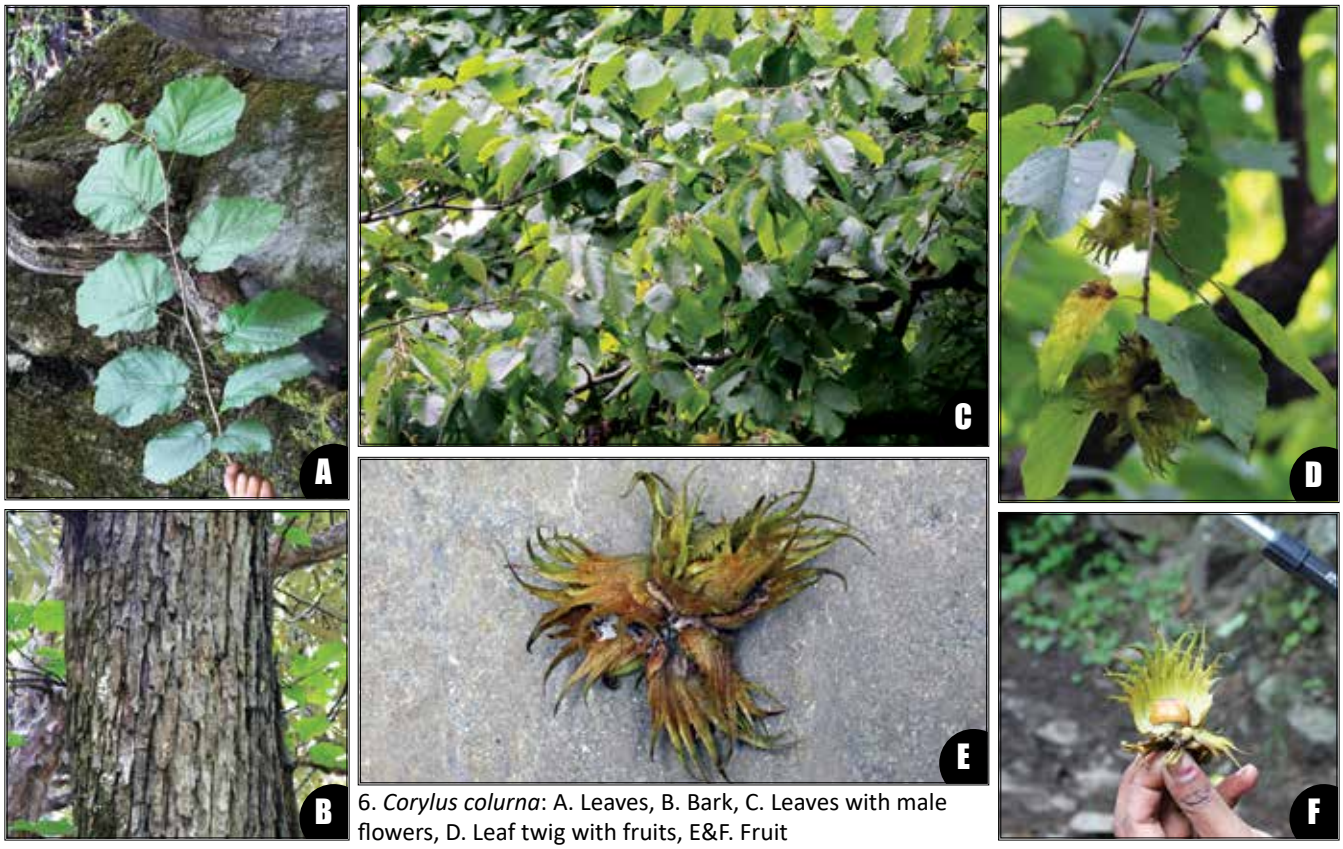
2. *Holarrhena pubescens*: A. Tree, B. Bark, C. Leaves, D. Flowering twig, E. Flowers

3. *Leucomeris spectabilis*: A. Bark, B & D. Twig, C. Flowers

4. *Alnus nepalensis*: A. Bark, B. Leaves, C. Leaves with female cones



5. *Betula utilis*: A. Tree, B. Leaves with catkin, C. Bark, D. Catkin

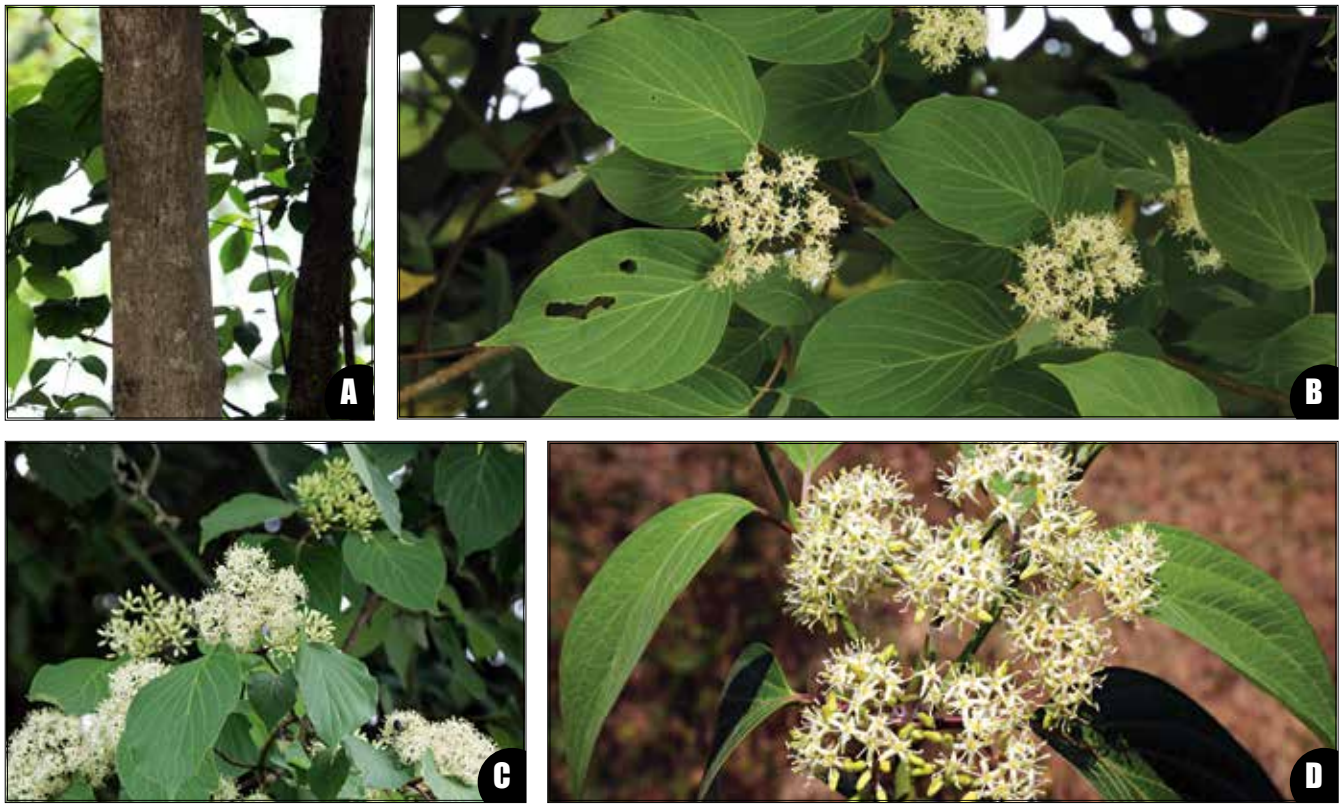


6. *Corylus colurna*: A. Leaves, B. Bark, C. Leaves with male flowers, D. Leaf twig with fruits, E&F. Fruit

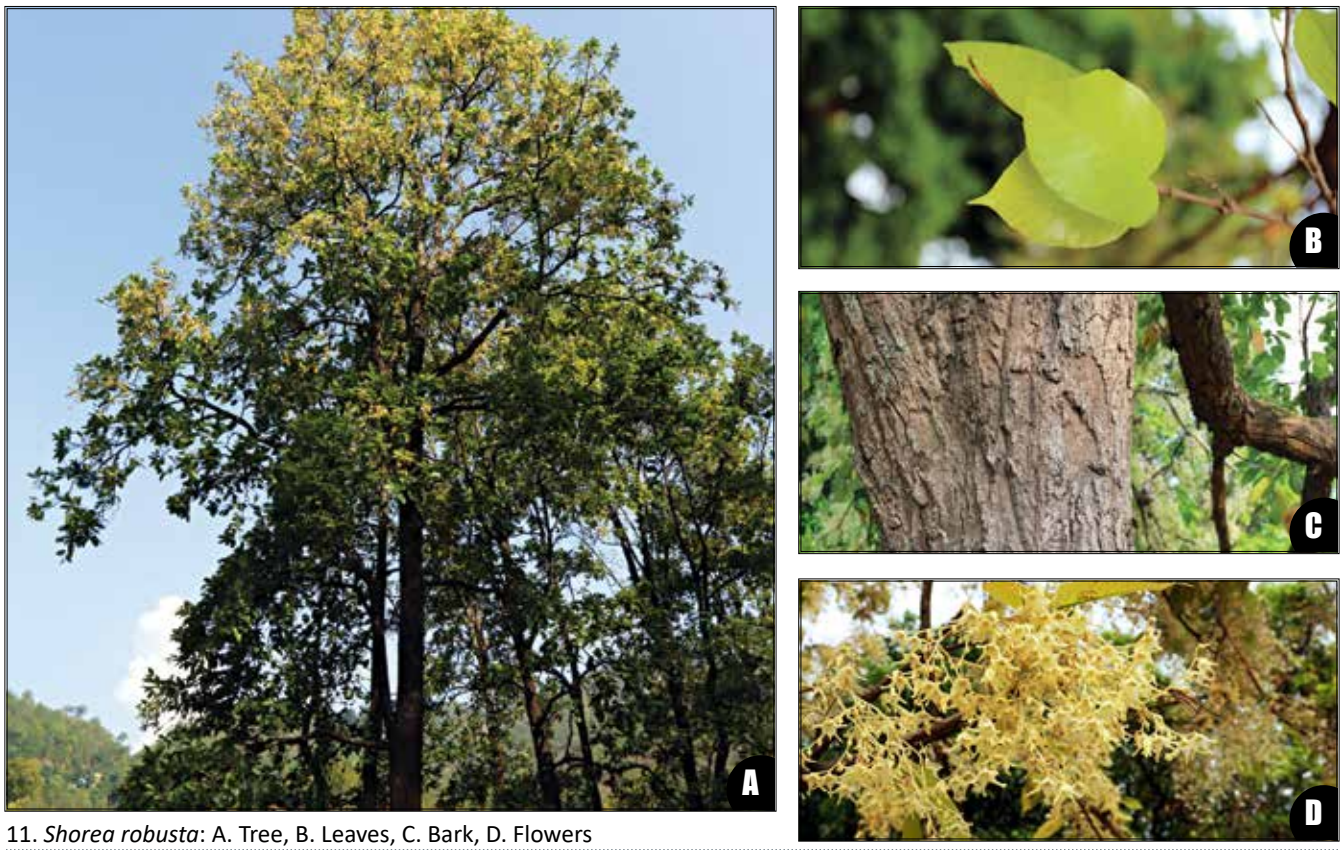
7. *Celtis caucasica*: A. Leaf twig, B. Bark, C. Leaf twig with fruits

8. *Terminalia bellirica*: A. Tree, B. Bark, C. Leaves, D. Flower, E. Flowers closer view

9. *Cornus capitata*: A. Bark, B. Leaves, C. Flowers



10. *Cornus macrophylla*: A. Bark, B. Leaves, C. Flowering twig, D. Flowers



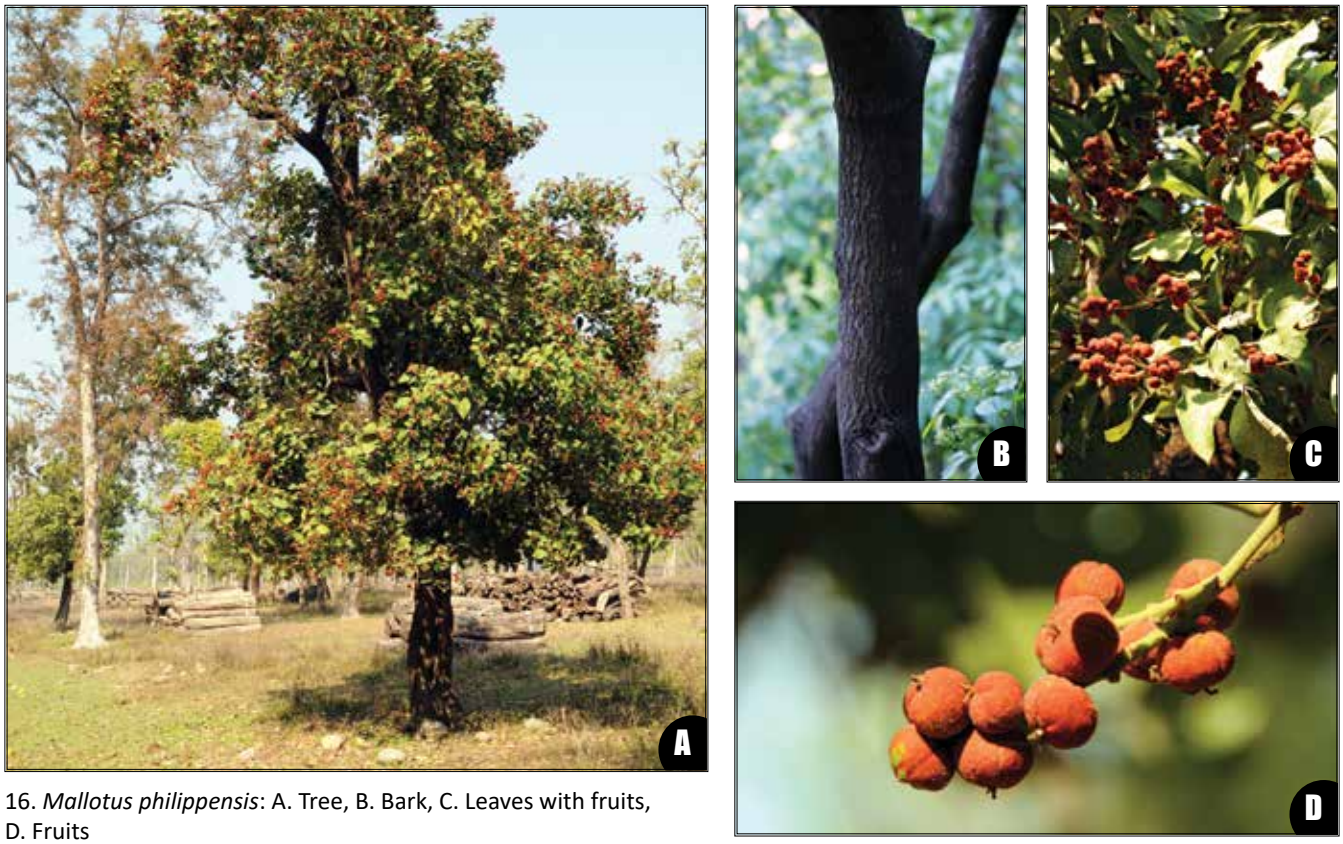
11. *Shorea robusta*: A. Tree, B. Leaves, C. Bark, D. Flowers

12. *Diospyros kaki*: A. Bark, B. Leaves, C. Fruit

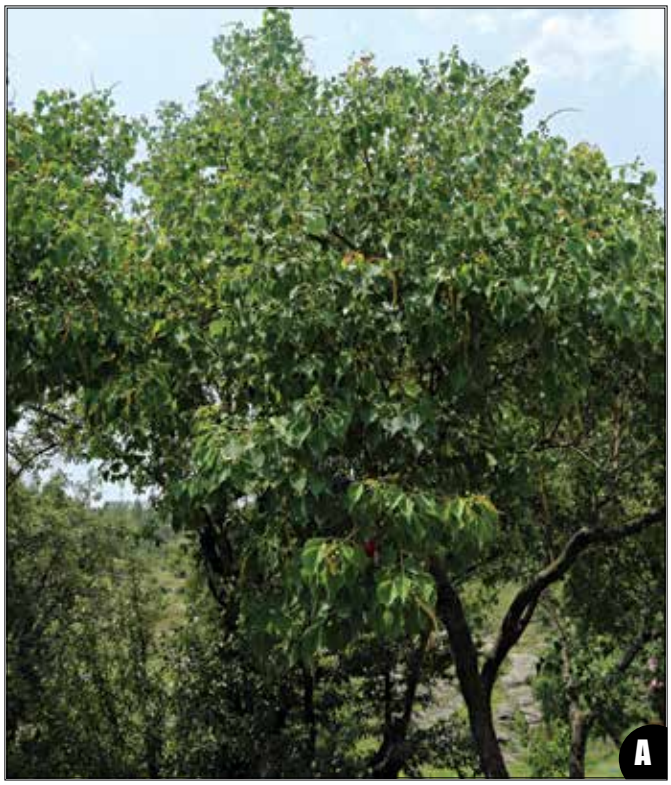
13. *Diospyros malabarica*: A. Tree, B. Bark, C. Leaves, D. Fruit

14. *Lyonia ovalifolia*: A. Tree, B. Bark, C. Leaf, D. Flowers

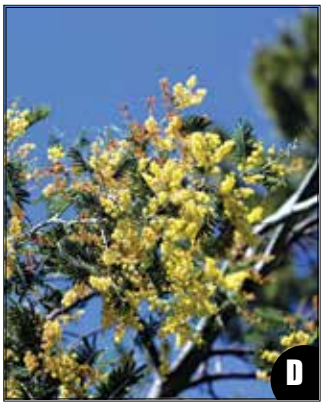
15. *Rhododendron arboreum*: A. Tree, B. Leaves with flowers, C. Flowers



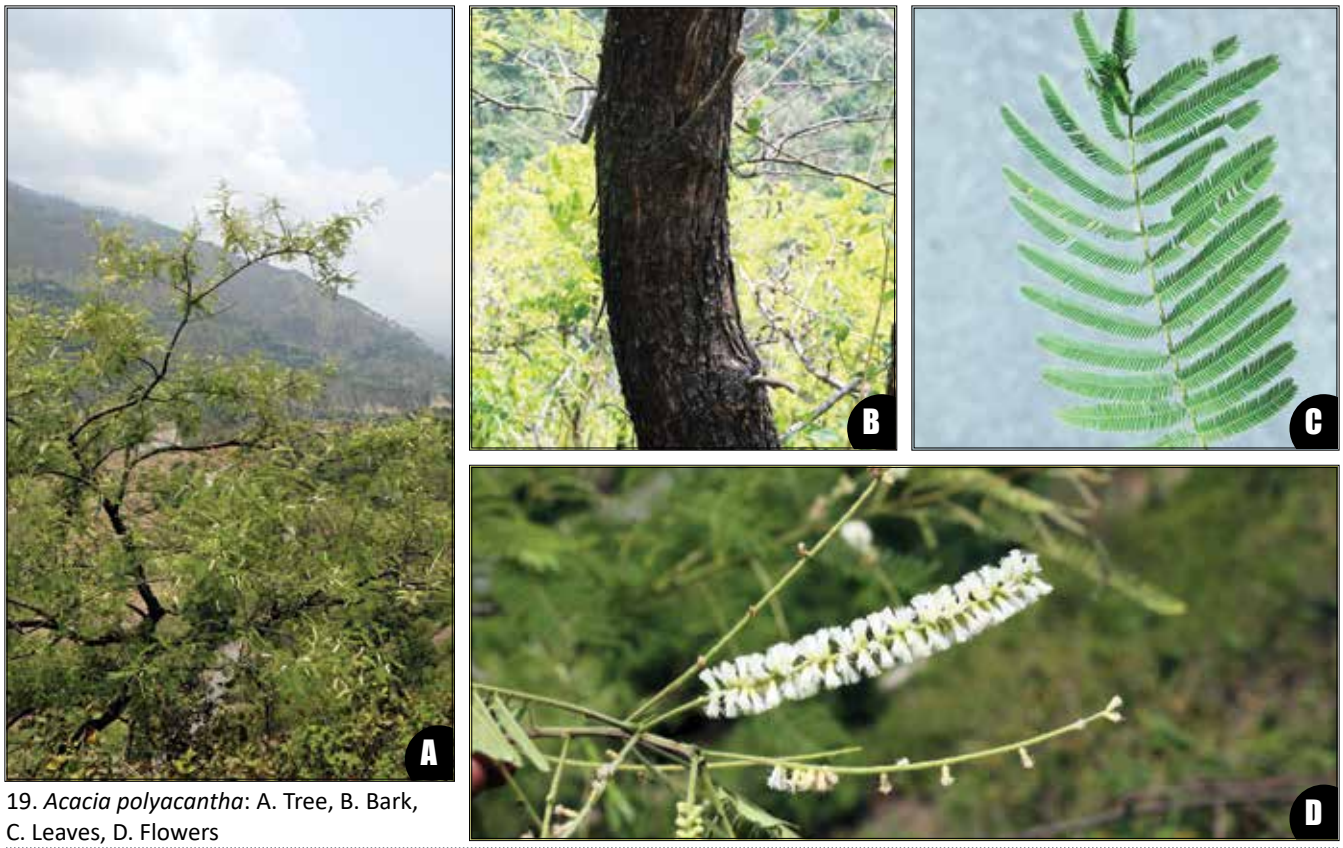
16. *Mallotus philippensis*: A. Tree, B. Bark, C. Leaves with fruits, D. Fruits



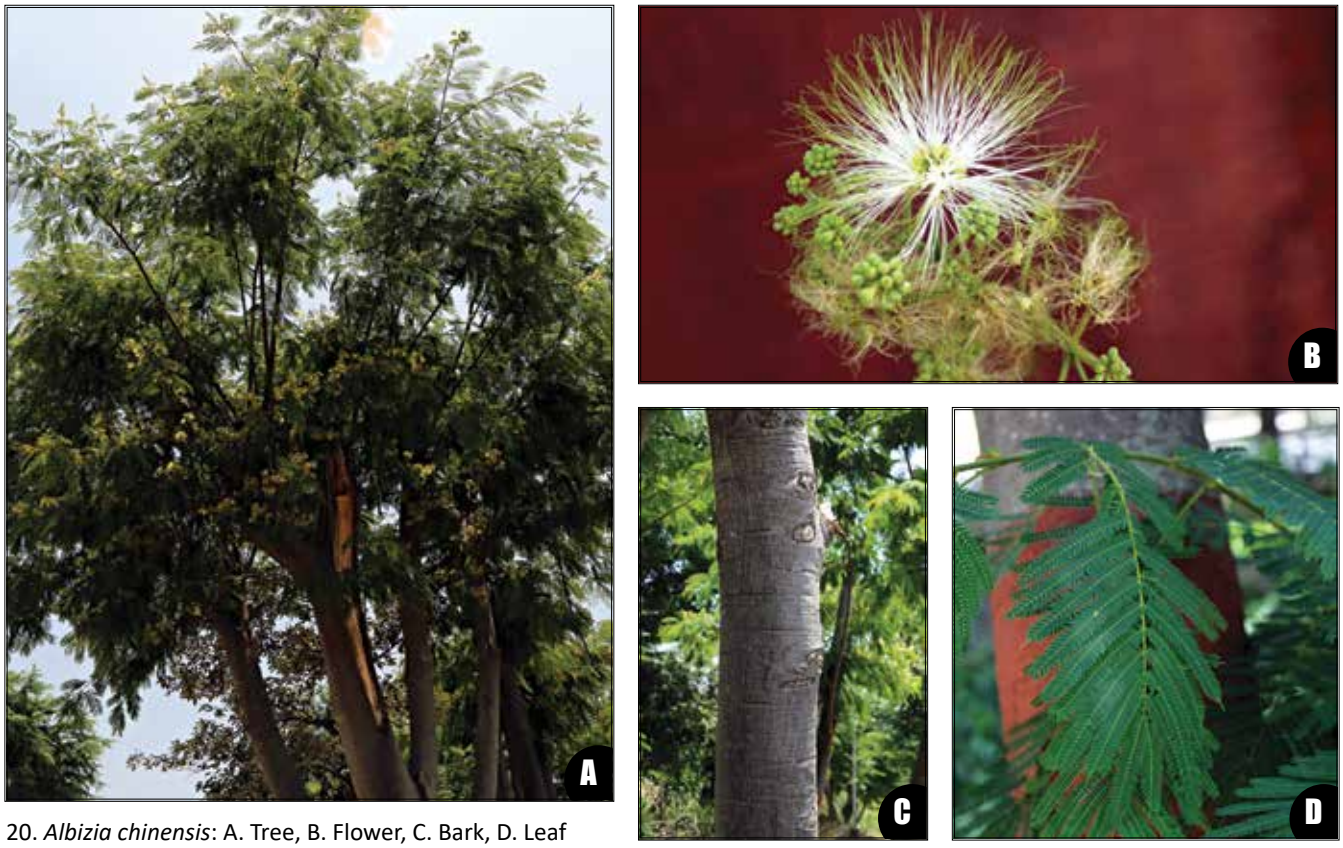
17. *Triadica sebifera*: A. Tree, B. Bark, C. Leaves with inflorescence , D. Fruits



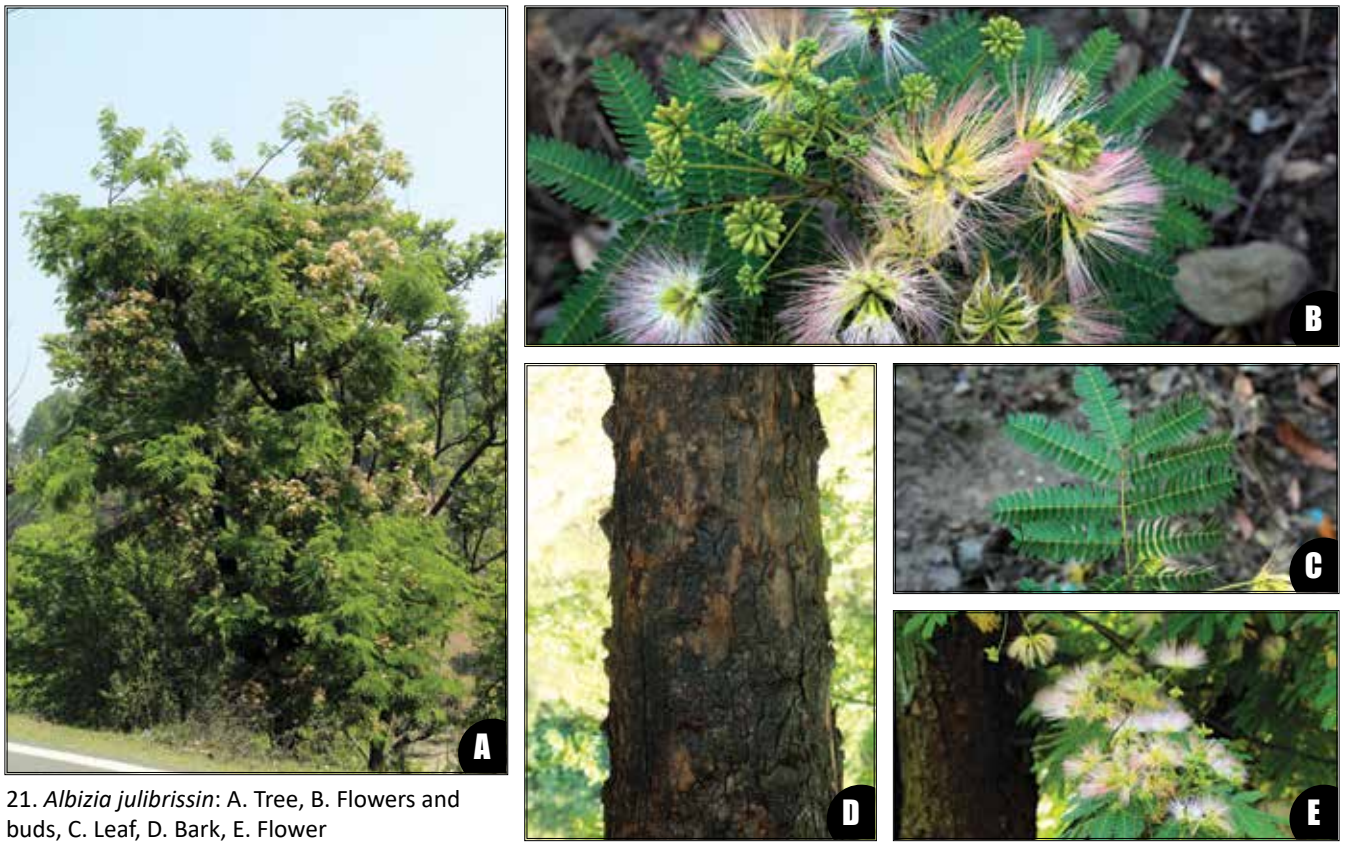
18. *Acacia dealbata*: A. Tree, B. Leaves with flowers, C. Bark, D. Flowers, E. Leaves with pods



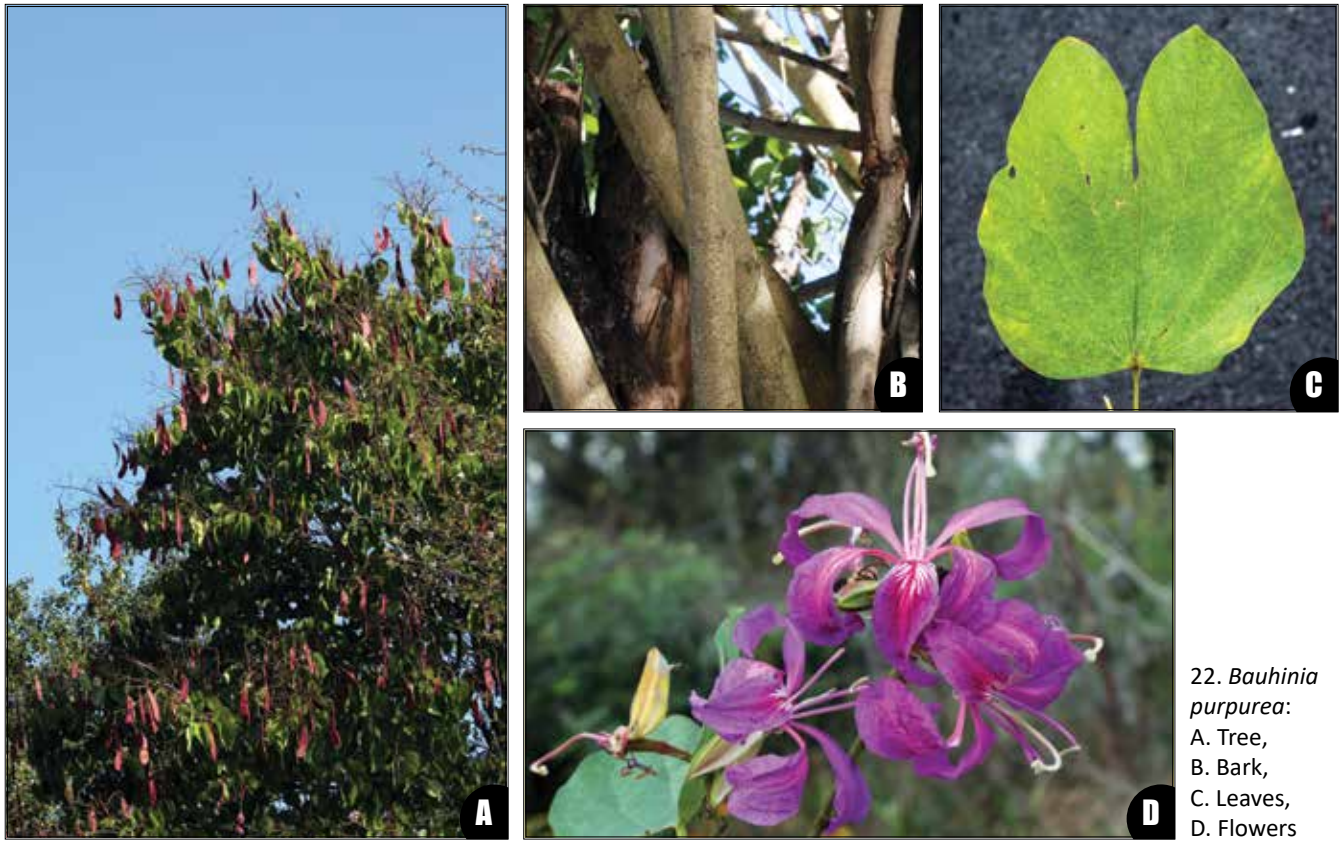
19. *Acacia polyacantha*: A. Tree, B. Bark, C. Leaves, D. Flowers



20. *Albizia chinensis*: A. Tree, B. Flower, C. Bark, D. Leaf

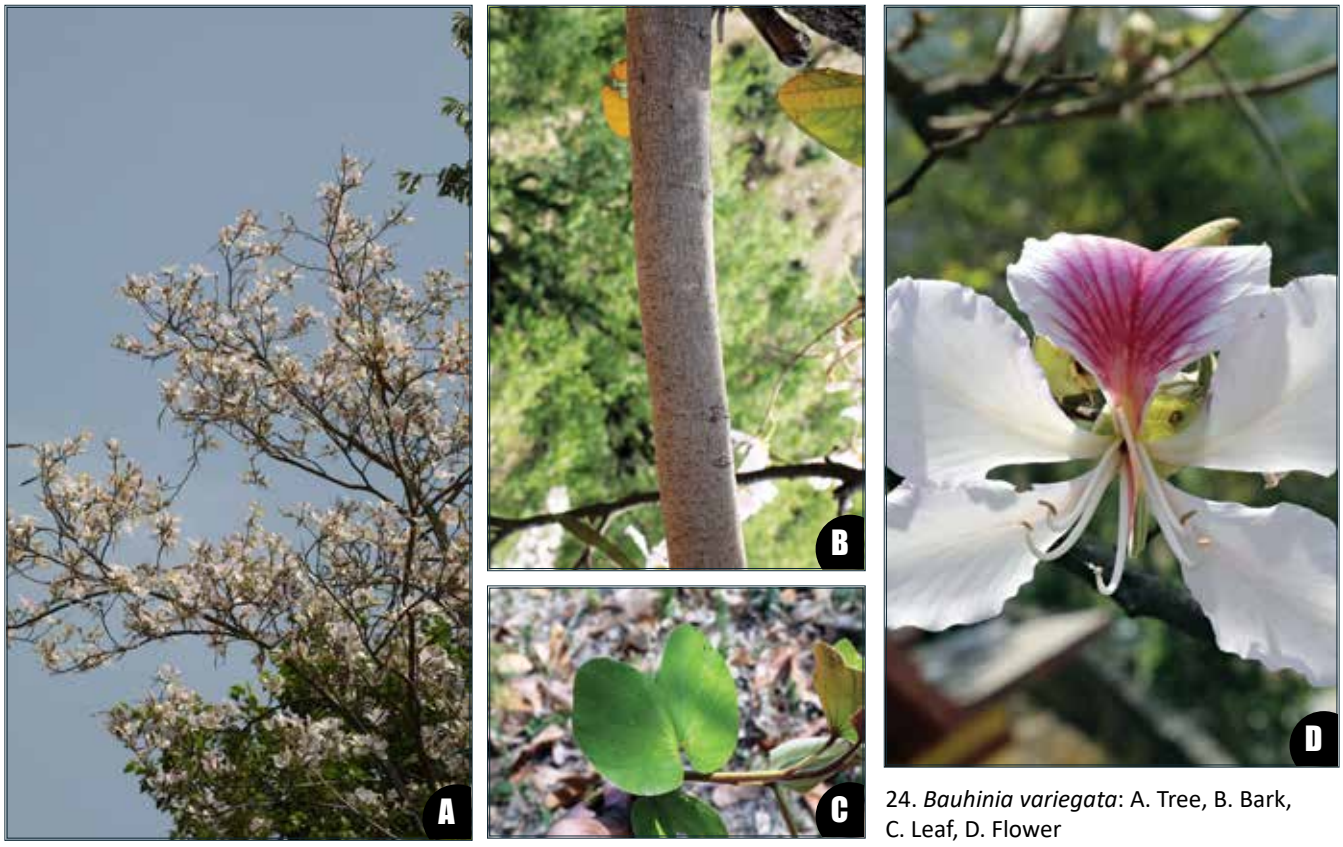


21. *Albizia julibrissin*: A. Tree, B. Flowers and buds, C. Leaf, D. Bark, E. Flower

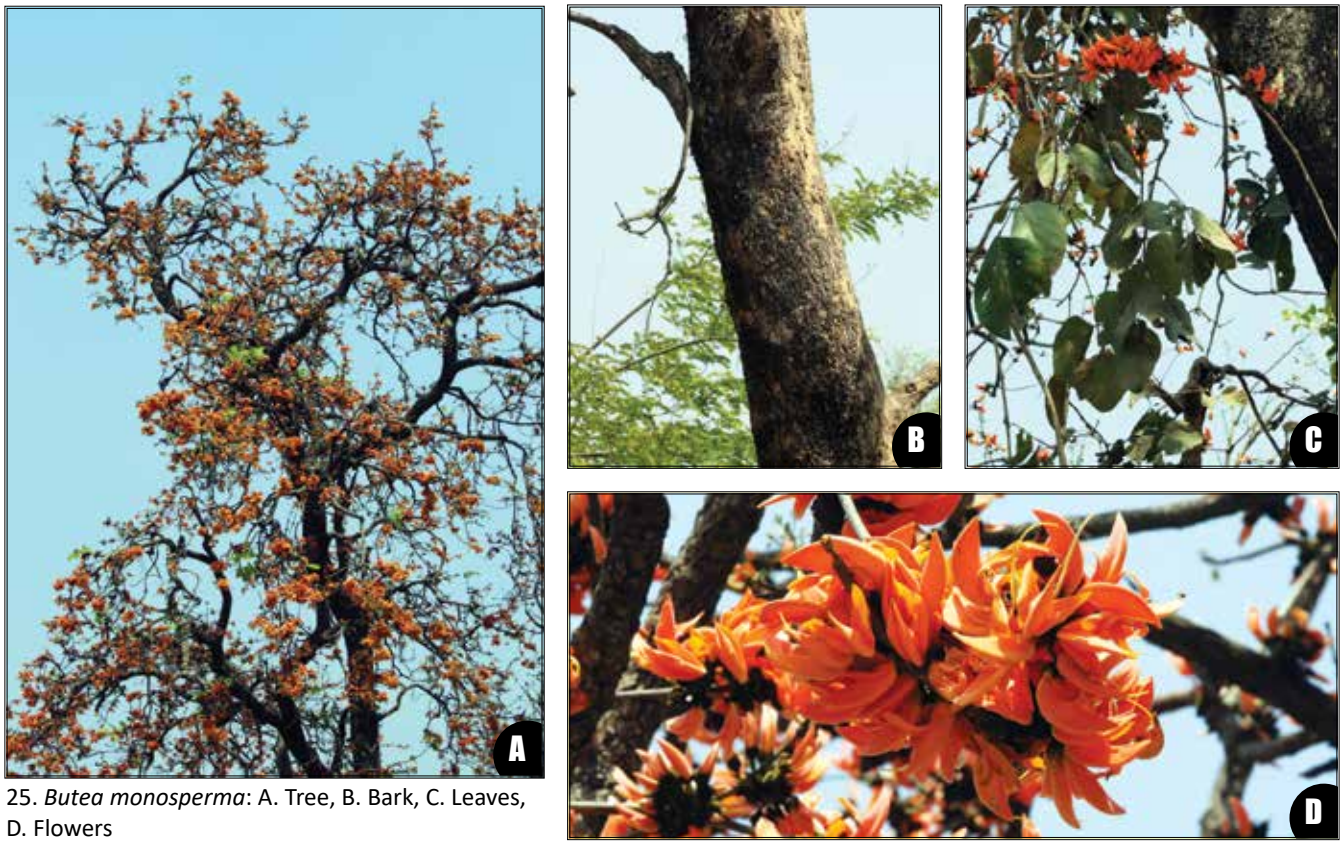


22. *Bauhinia purpurea*: A. Tree, B. Bark, C. Leaves, D. Flowers

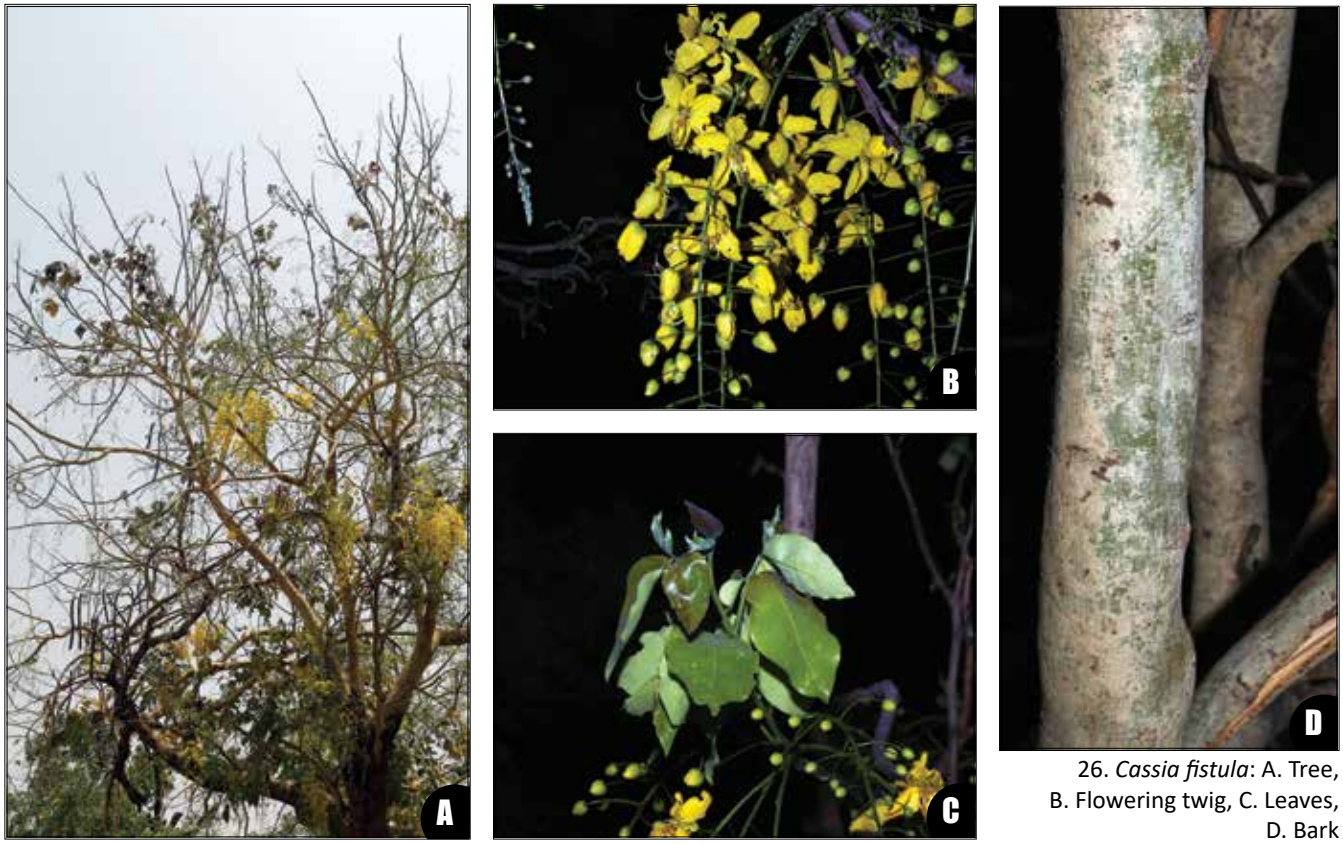
23. *Bauhinia retusa*: A. Twig, B. Bark, C. Flower, D. Fruits



24. *Bauhinia variegata*: A. Tree, B. Bark, C. Leaf, D. Flower



25. *Butea monosperma*: A. Tree, B. Bark, C. Leaves, D. Flowers

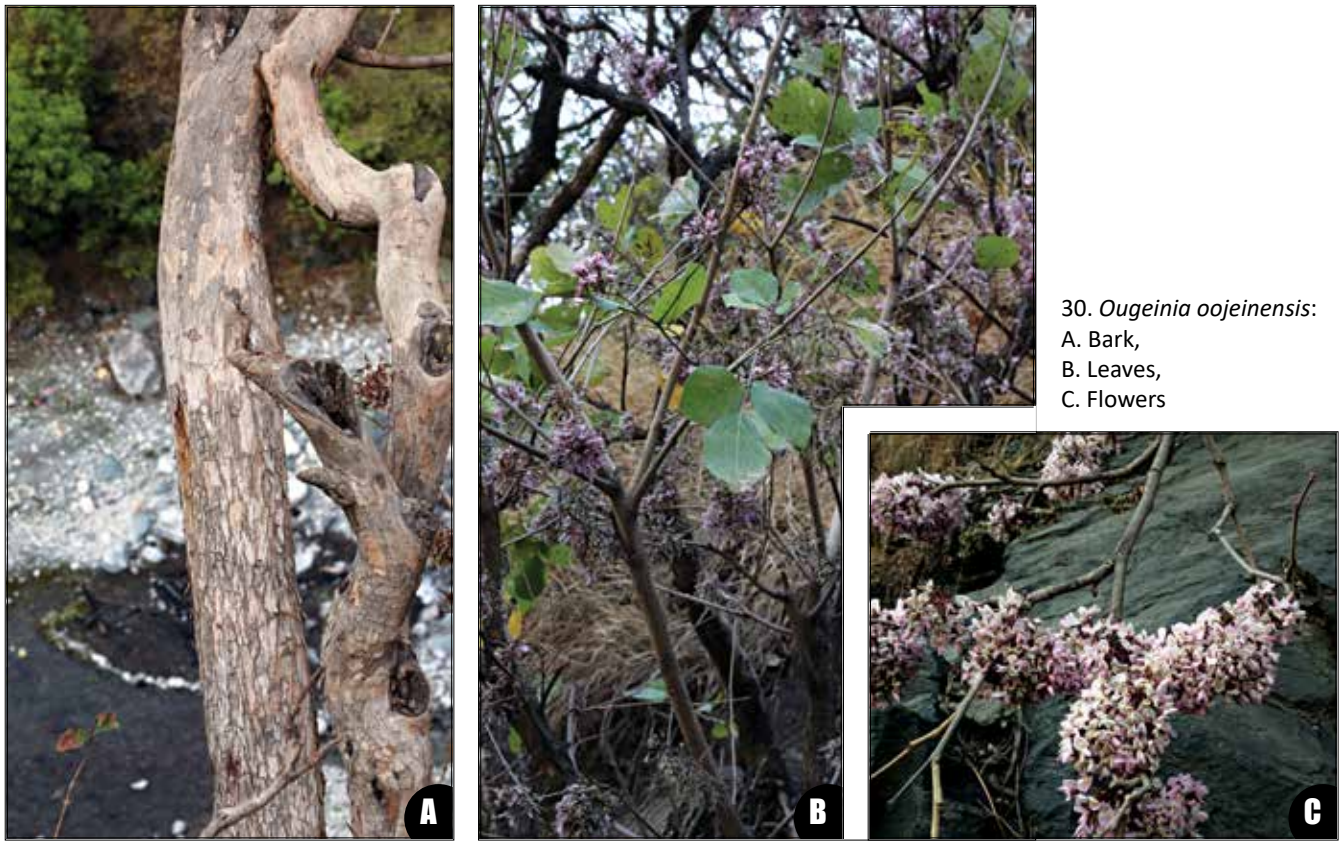


26. *Cassia fistula*: A. Tree, B. Flowering twig, C. Leaves, D. Bark

27. *Dalbergia sissoo*: A. Tree, B. Leaf twig, C. Flowers, D. Bark

28. *Erythrina cristae-galli*: A. flower, B. Bark, C. Leaves

29. *Erythrina suberosa*: A. Tree, B. Bark, C. Flowering twig, D. Flowers



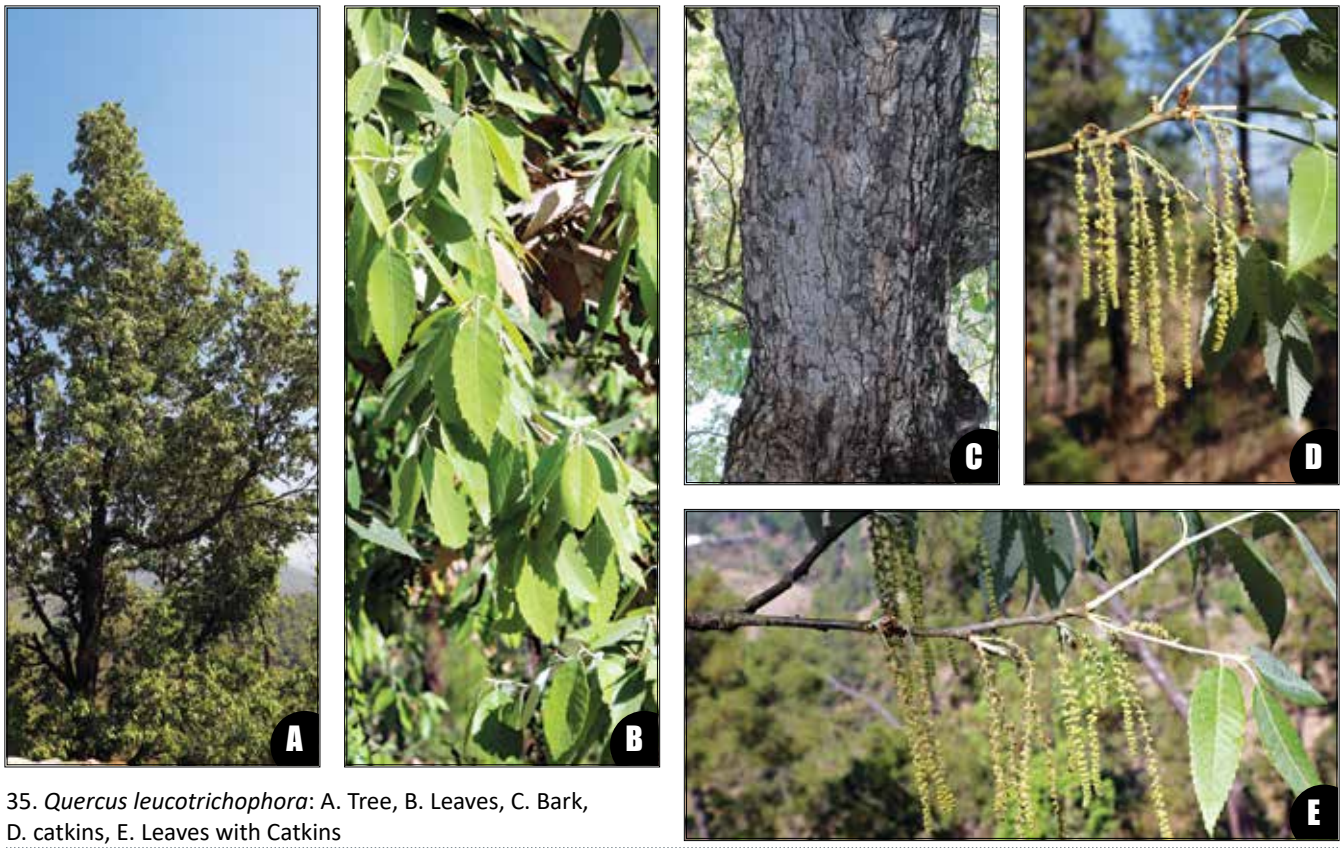
30. *Ougeinia oojeinensis*:
A. Bark,
B. Leaves,
C. Flowers

31. *Castanea sativa*: A. Bark, B. Leaves with fruits, C. Fruit

32. *Castanopsis indica*: A. Tree, B. Bark, C. Leaves with inflorescence, D. Leaves

33. *Quercus glauca*:
A. Tree,
B. Bark,
C. Acorns,
D. Leaves

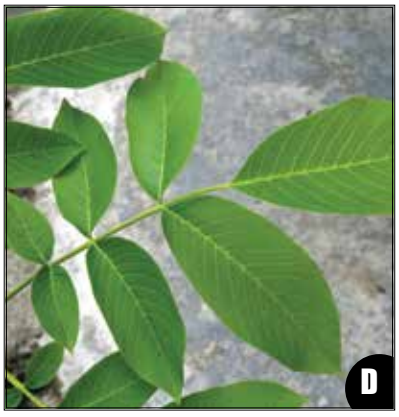
34. *Quercus lanata*:
A. Tree,
B. Leaves,
C. Bark,
D. Acorns



35. *Quercus leucotrichophora*: A. Tree, B. Leaves, C. Bark, D. catkins, E. Leaves with Catkins

36. *Quercus semecarpifolia*: A. Tree, B. Bark, C. Leaves, D. Flowering twig

37. *Engelhardia spicata*: A. Tree, B. Inflorescence, C. Bark, D. Leaves



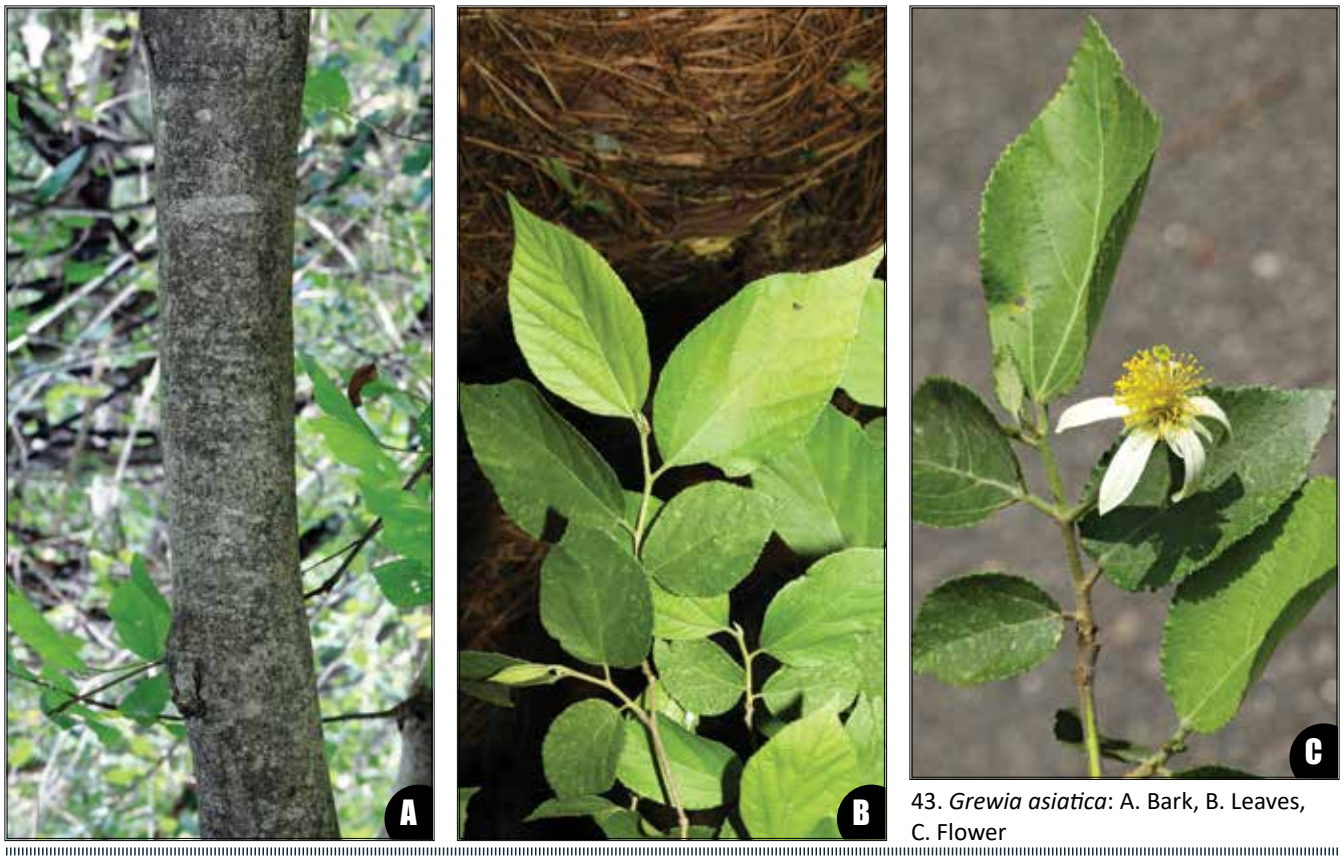
38. *Juglans regia*: A. Tree, B. Bark, C. Flowers, D. Leaves, E. Fruits

39. *Callicarpa arborea*: A. Bark, B. Flowering twig, C. Leaf, D. Flowers

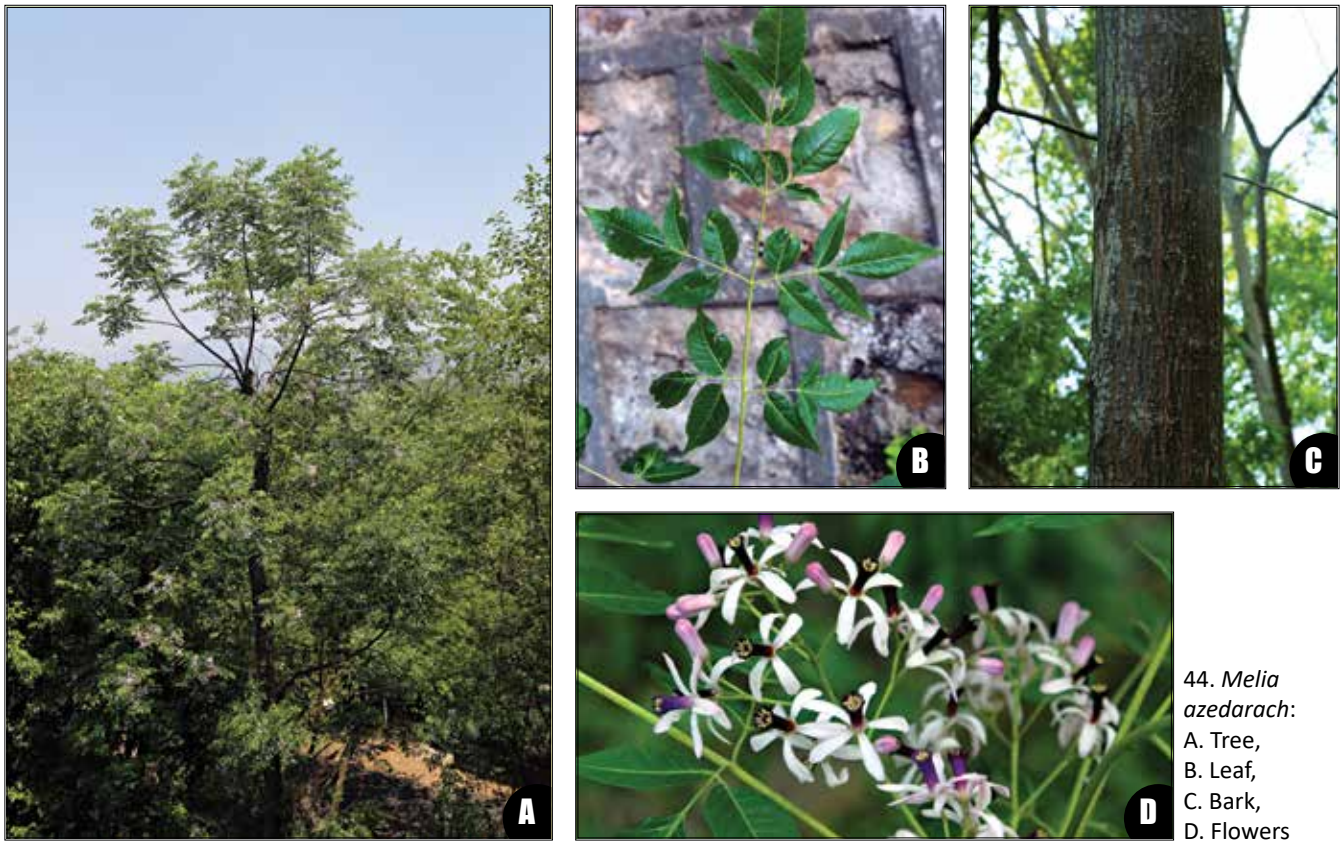
40. T*ectona grandis*: A. Tree, B. Leaves with flowers, C. Fruits, D. Bark

41. *Lagerstroemia speciosa*:
A. Tree, B. Bark,
C. Fruits, D. Flower

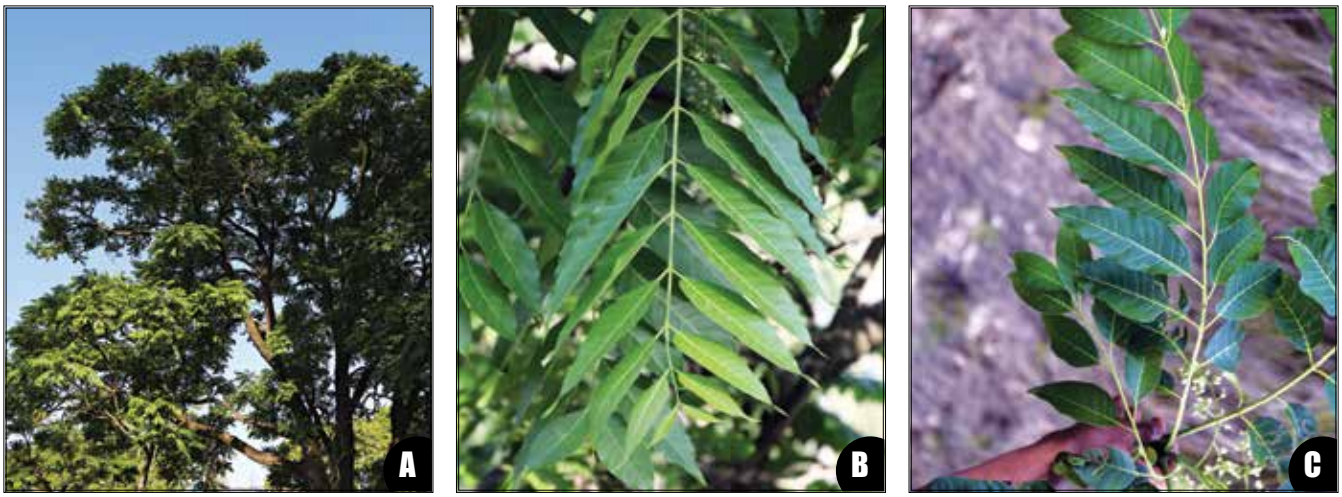
42. *Bombax ceiba*:
A. Tree,
B. Flower



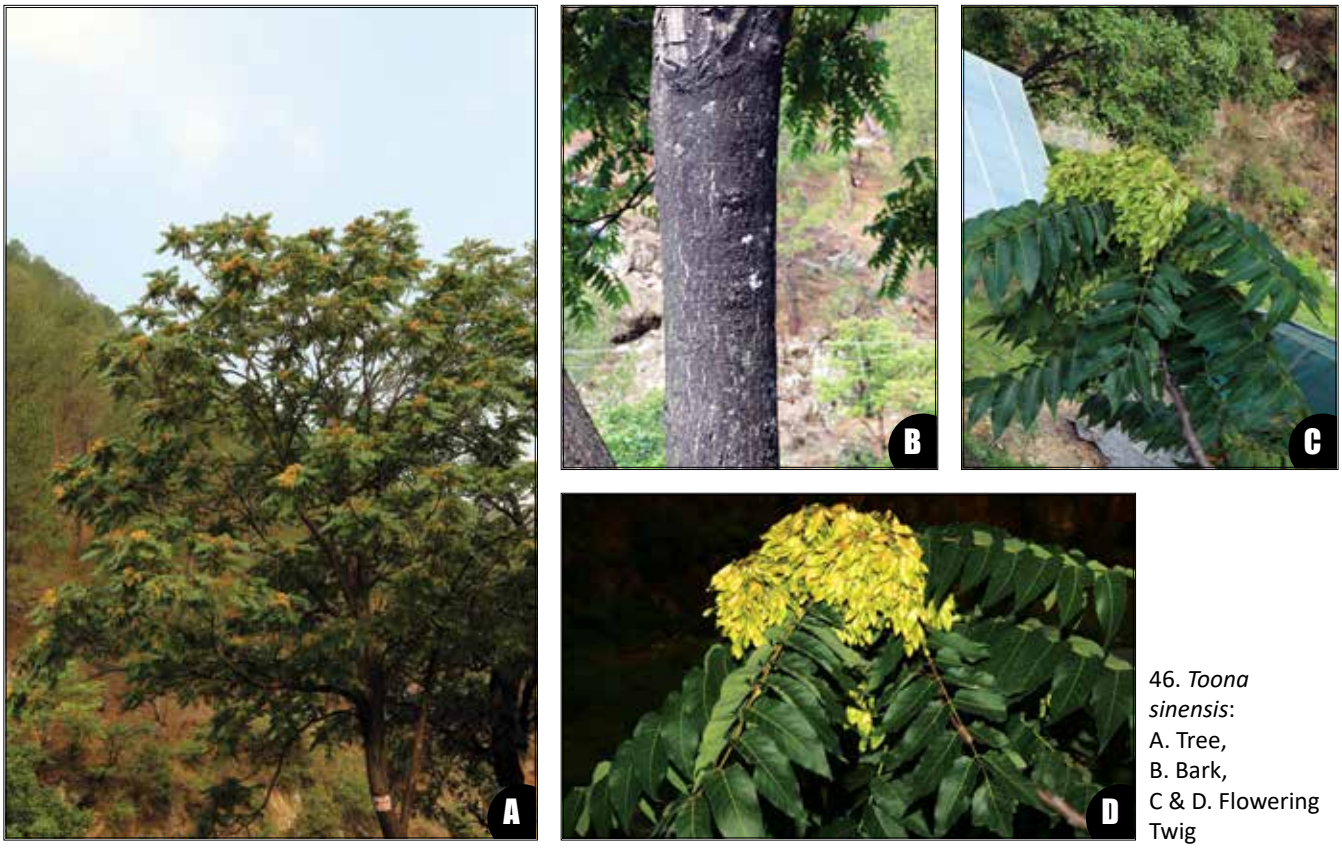
43. *Grewia asiatica*: A. Bark, B. Leaves, C. Flower



44. *Melia azedarach*: A. Tree, B. Leaf, C. Bark, D. Flowers



45. *Toona ciliata*:
A. Tree,
B. Dorsal Leaves,
C. Ventral Leaves,
D. Flowers,
E. Bark



46. *Toona sinensis*:
A. Tree,
B. Bark,
C & D. Flowering Twig

47. *Trichilia connaroides*: A. Tree, B. Leaves, C. Fruits, D. Bark

48. *Broussonetia papyrifera*: A. Tree, B. Leaves, C. Bark, D. Fruits

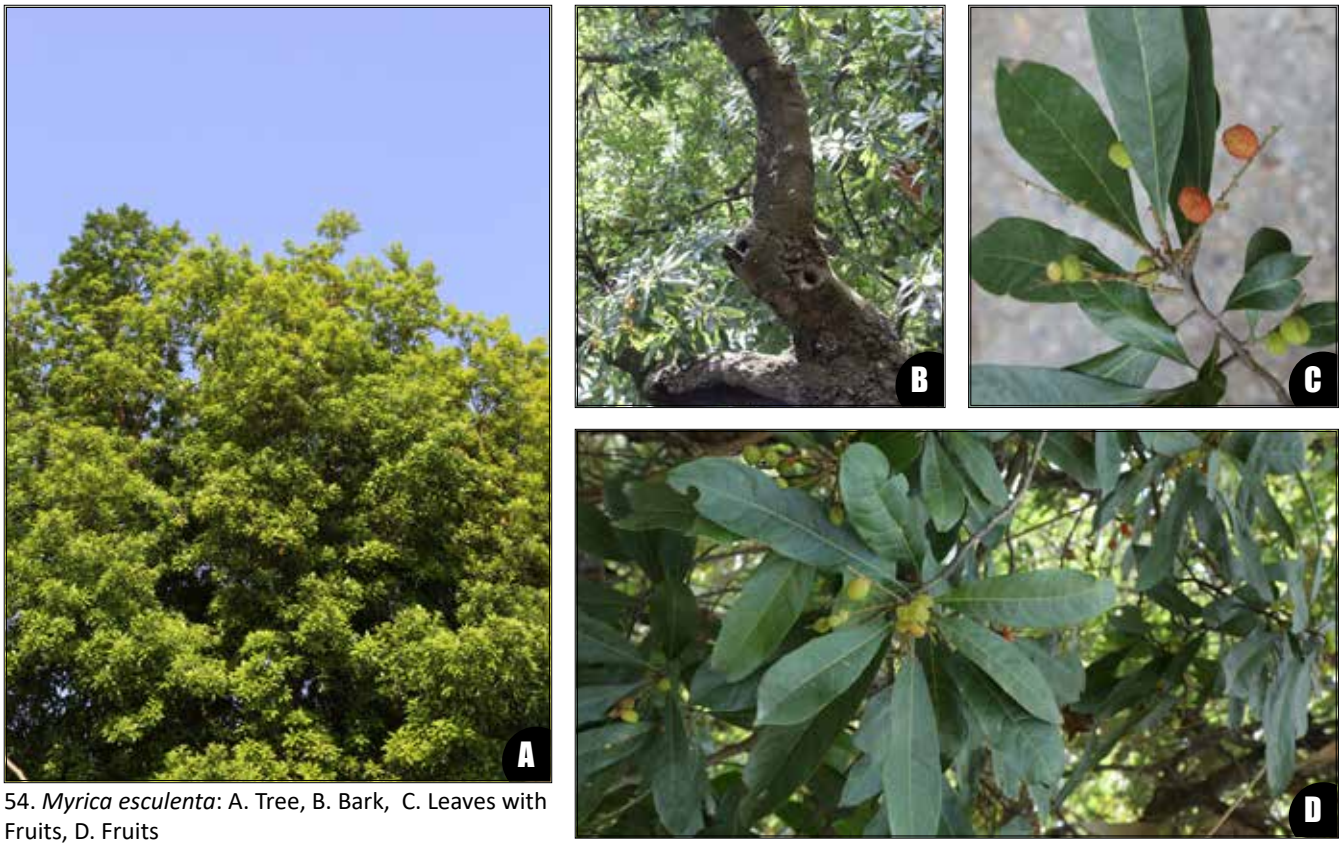
49. *Ficus auriculata*: A. Bark, B. Fruit, C. Leaves

50. *Ficus benghalensis*: A. Tree, B. Bark, C. Fruits, D. Leaves

51. *Ficus benjamina*: A. Tree, B. Leaves with fruits, C. Bark, D. Fruits

52. *Ficus palmata*: A. Tree, B. Leaves, C. Fruits, D. Bark

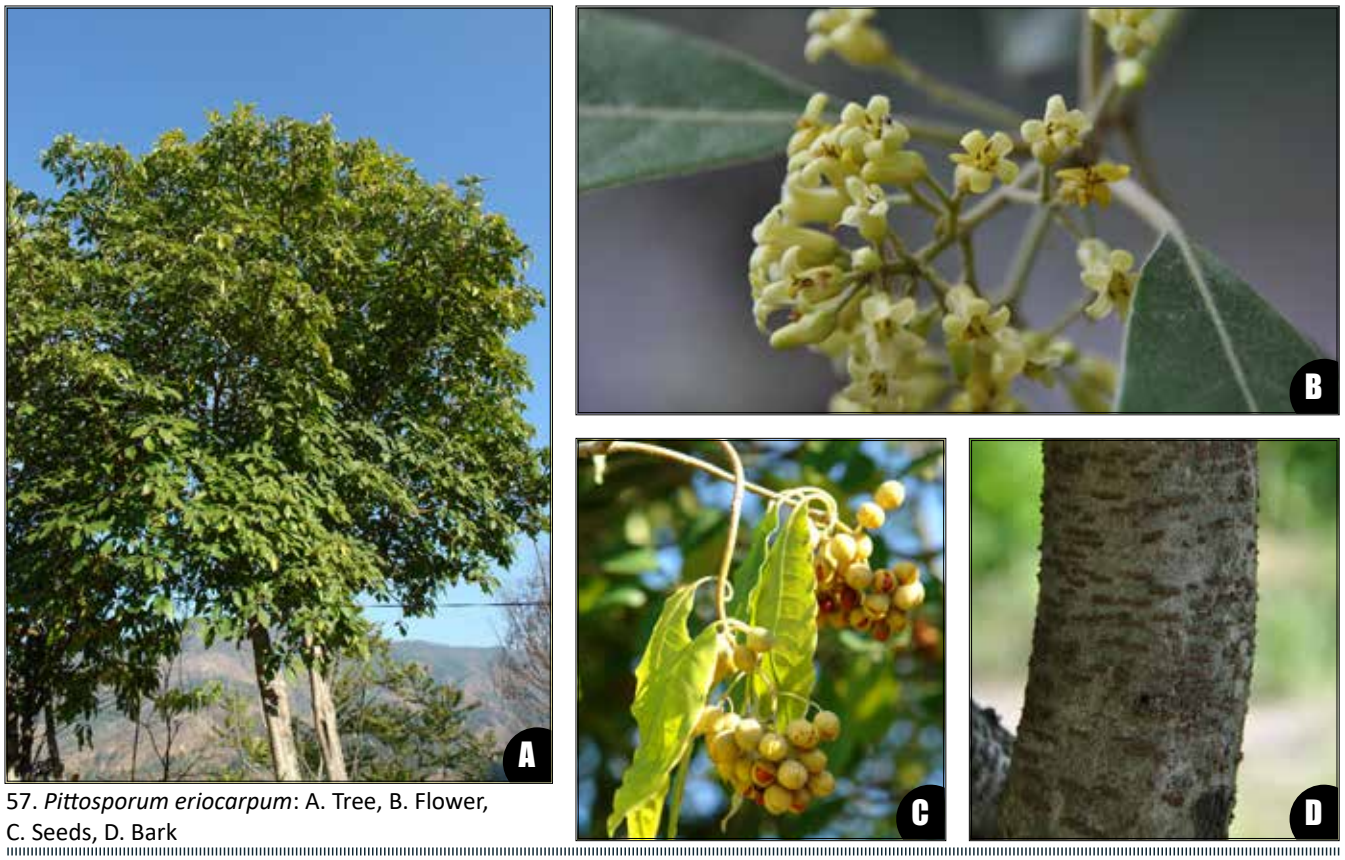
53. *Morus australis*: A. Tree, B. Bark, C. Leaves, D. Fruits



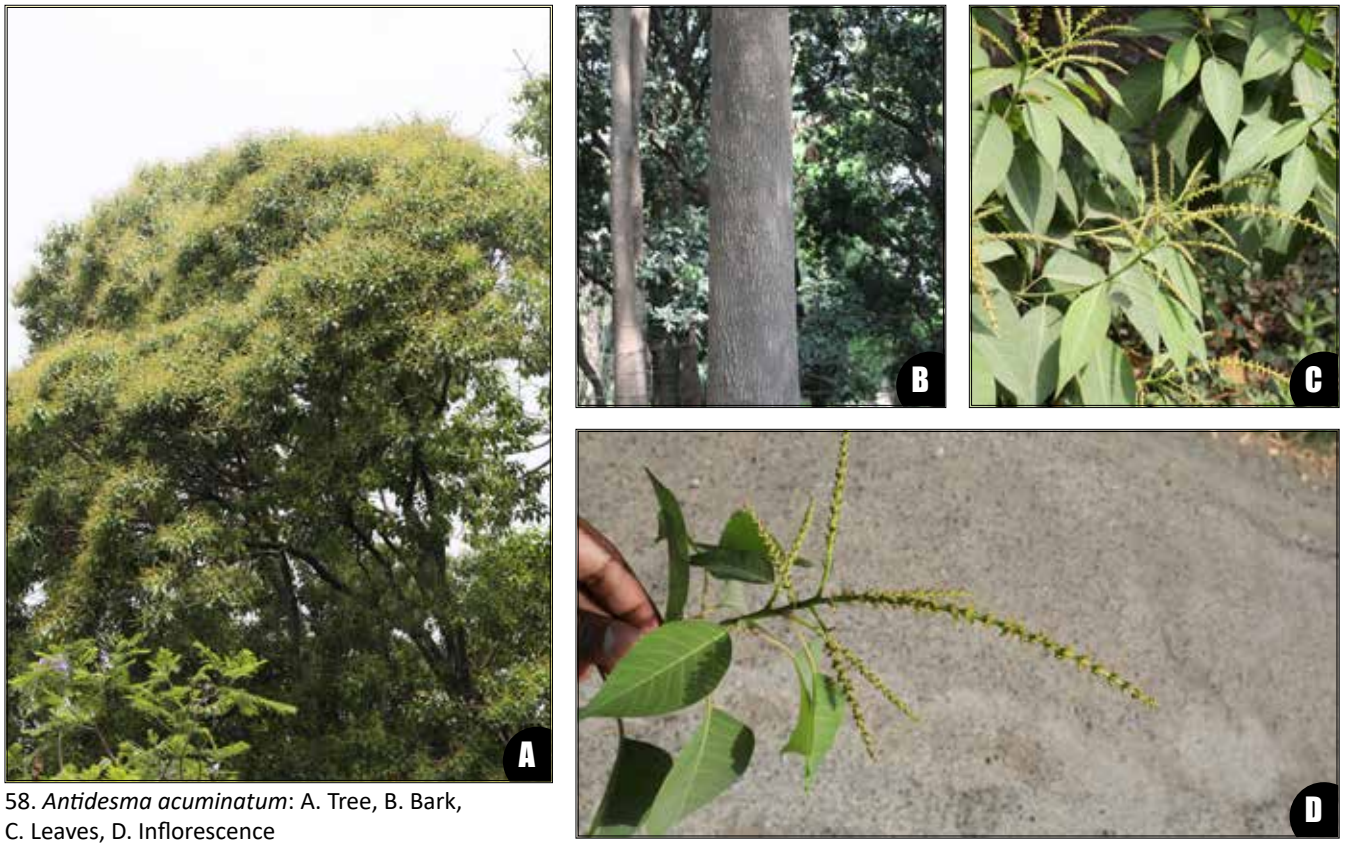
54. *Myrica esculenta*: A. Tree, B. Bark, C. Leaves with Fruits, D. Fruits

55. *Syzygium cumini*: A. Tree, B. Bark, C. Leaves, D. Flowers

56. *Ligustrum nepalense*: A. Tree, B. Bark, C. Leaves with Flowers, D. Flowers



57. *Pittosporum eriocarpum*: A. Tree, B. Flower, C. Seeds, D. Bark



58. *Antidesma acuminatum*: A. Tree, B. Bark, C. Leaves, D. Inflorescence

59. *Bischofia javanica*: A. Tree, B. Inflorescence, C. Bark

60. *Phyllanthus emblica*: A. Bark, B. Leaves, C. Flowers, D. Fruits

61. *Grevillea robusta*: A. Tree, B. Bark, C. Leaf, D. Flower

62. *Cerasus cerasoides*: A. Tree, B. Bark, C. Leaves with seeds, D. Flowers

63. *Padus avium*: A. Tree, B. Bark, C. Leaves with flowers, D. Flowers

64. *Padus cornuta*: A. Tree, B. Bark, C. Leaves, D Inflorescence

65. *Photinia glabra*: A. Tree, B. Bark, C. Leaves, D. Flowers

66. *Pyrus pashia*: A. Leaves, B. Inflorescence with flowers and fruits, C. Flowers

67. *Sorbus cuspidata*: A. Leaves, B. Bark, C. Fruits

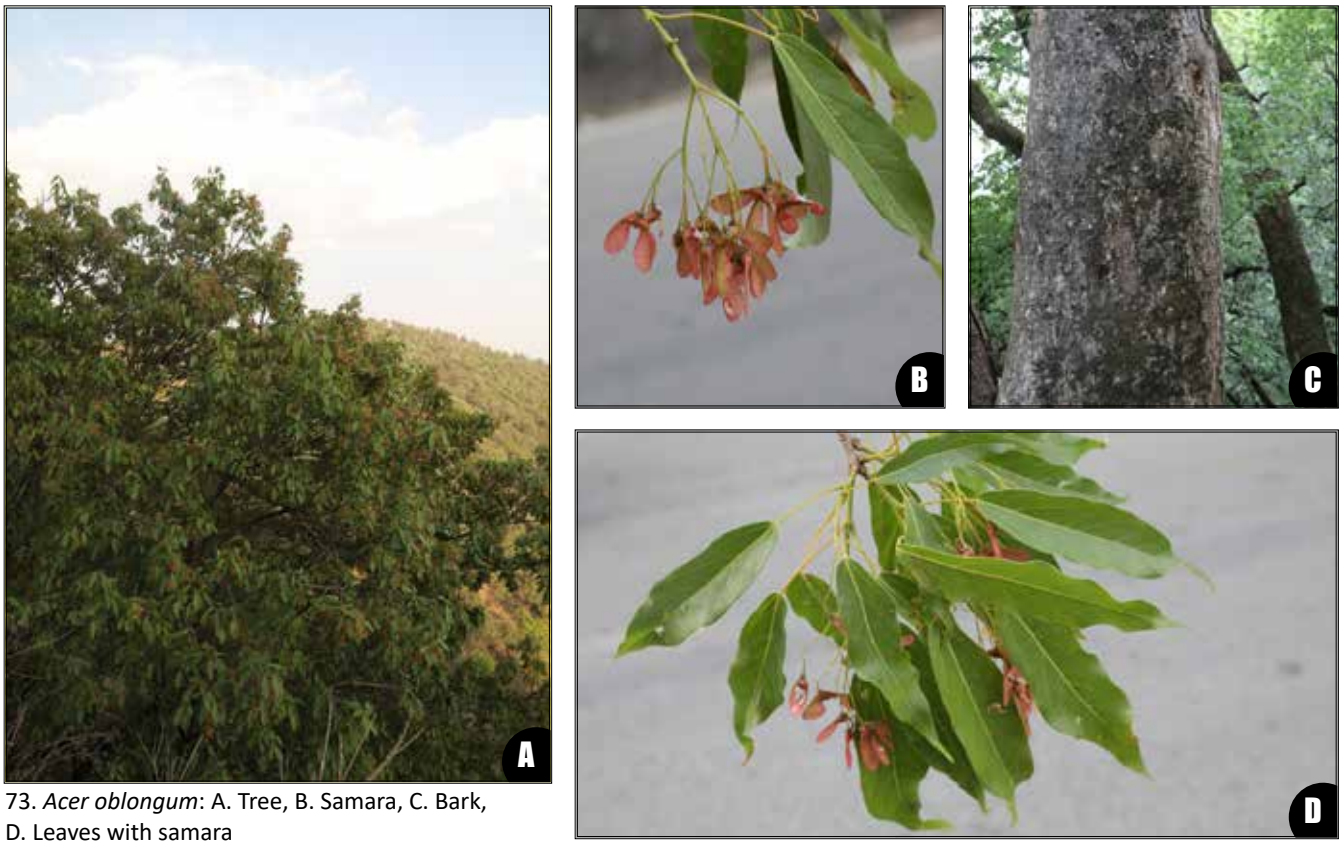
68. *Sorbus lanata*: A. Tree, B. Leaves with fruits, C. Bark, D. Leaves

69. *Wendlandia exserta*: A. Tree, B. Leaves, C. Bark, D. Flowers

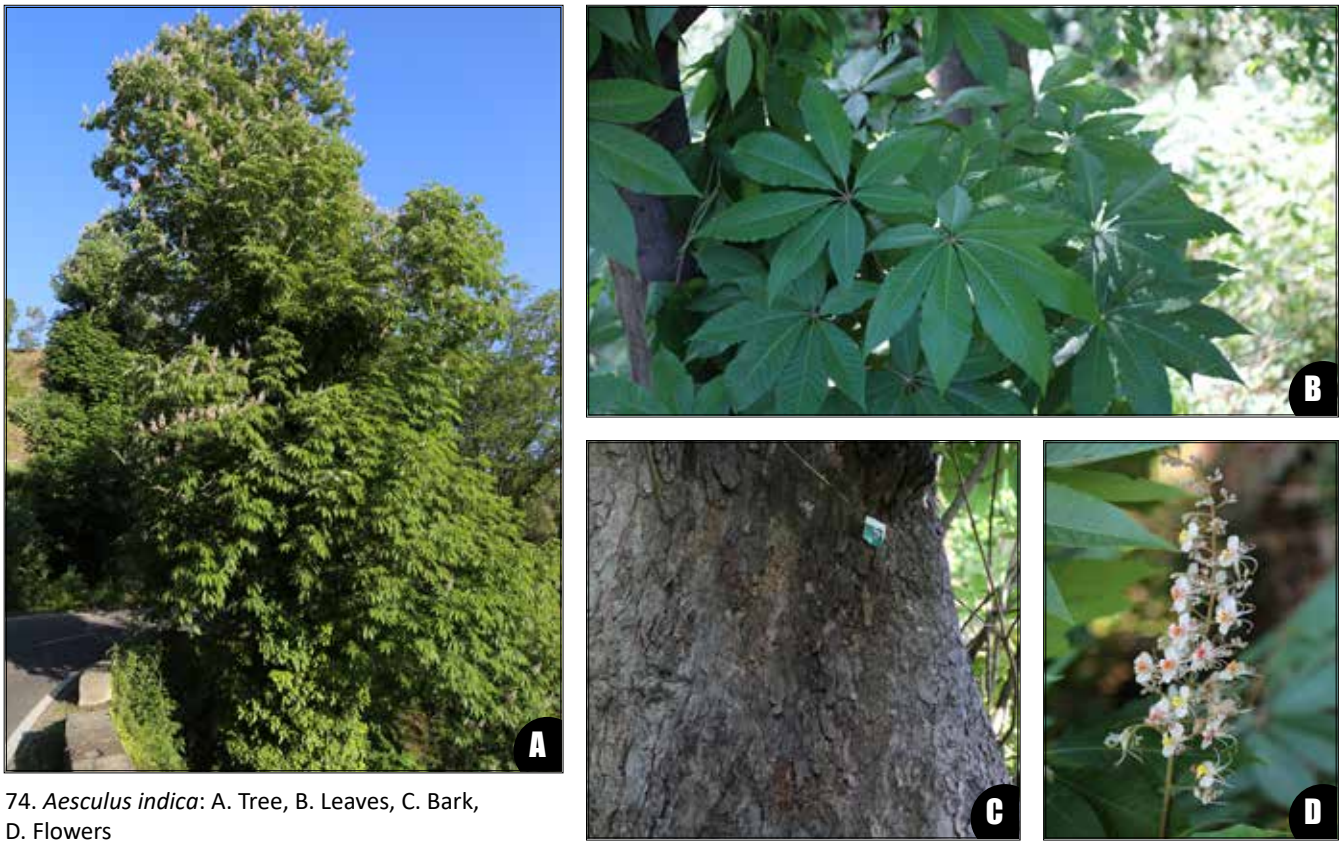
70. *Xylosma longifolia*: A. Twig with Leaves and flowers, B. Bark, C. Flowers

71. *Acer acuminatum*: A. Tree, B. Leaves, C. Samara

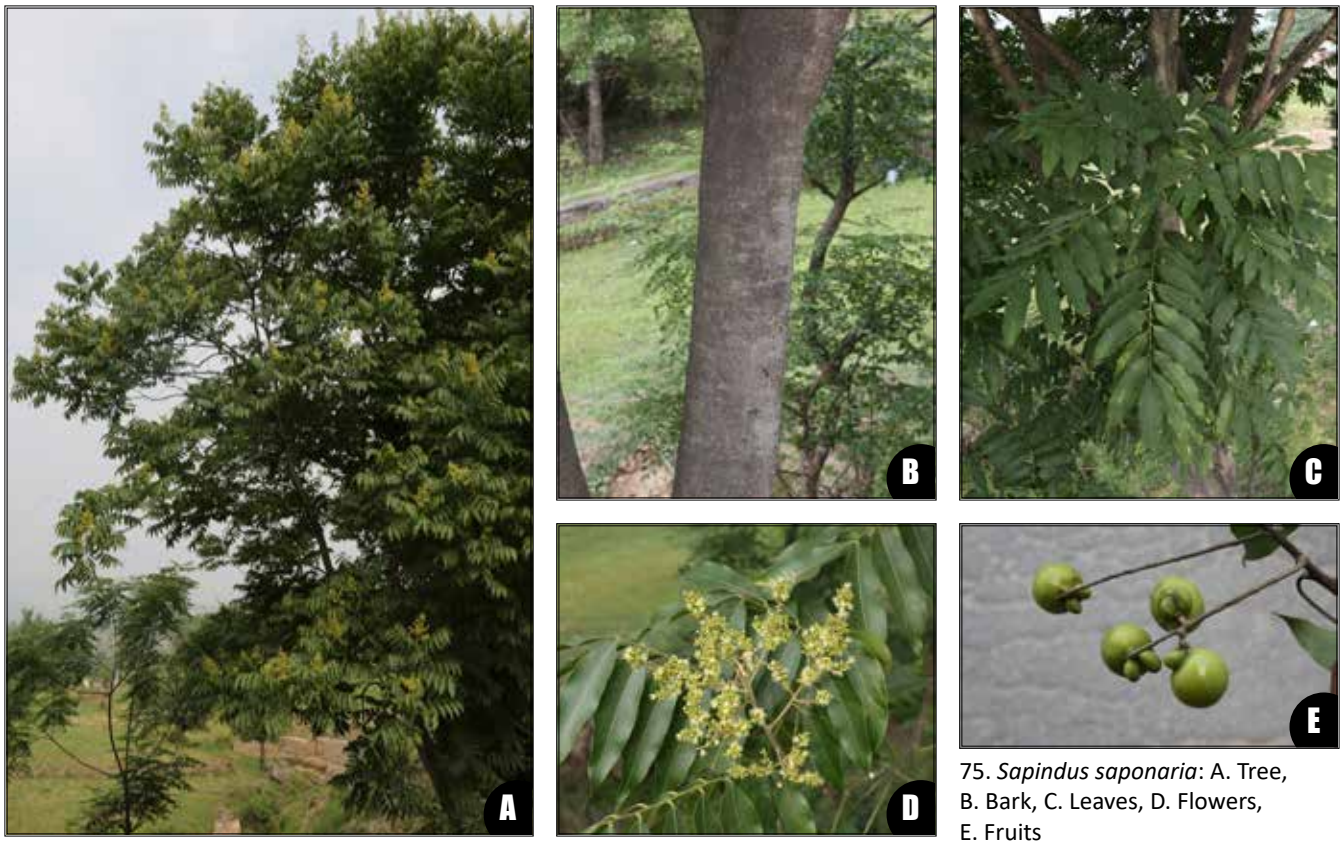
72. *Acer caesium*: A. Tree, B. Leaves with samara, C. Samara, D. Bark



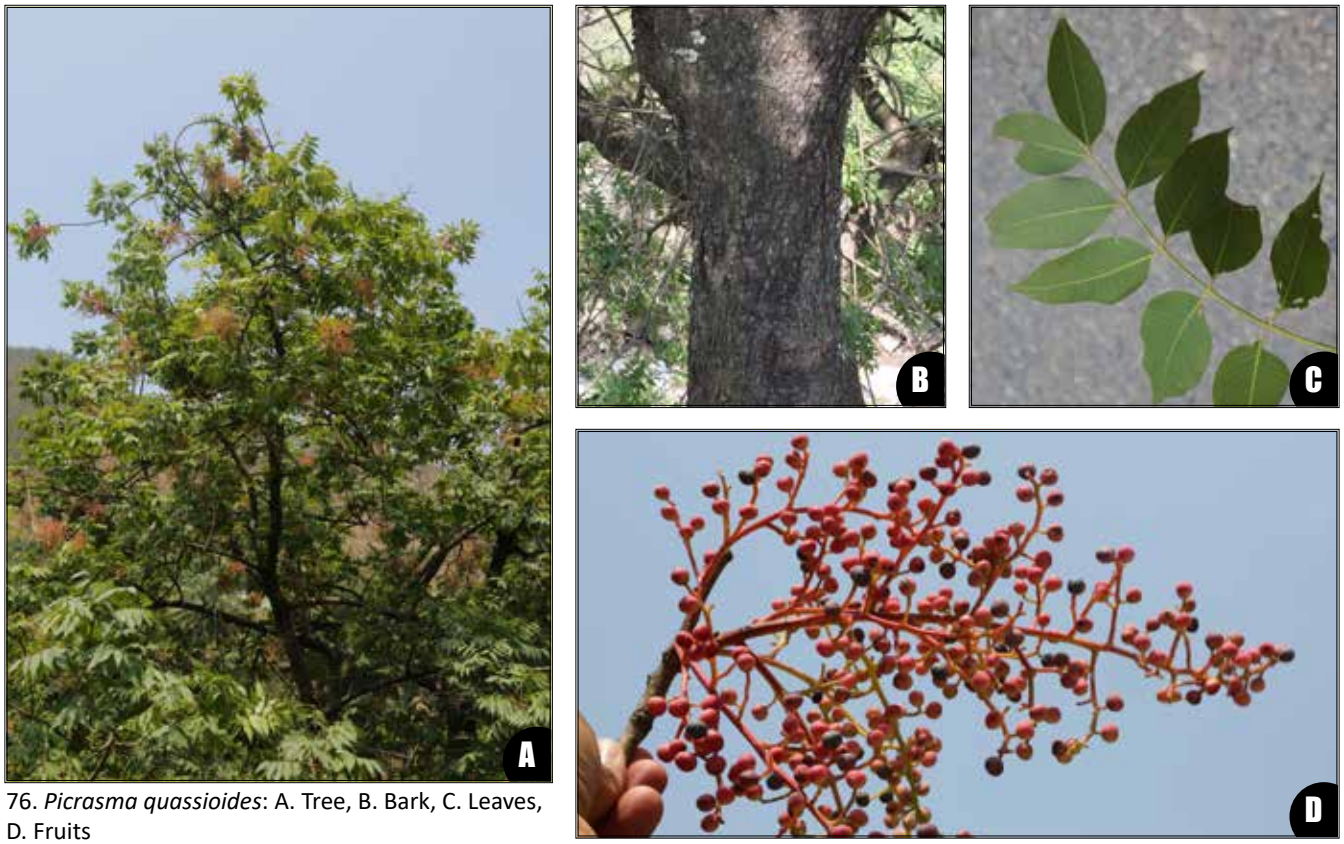
73. *Acer oblongum*: A. Tree, B. Samara, C. Bark, D. Leaves with samara



74. *Aesculus indica*: A. Tree, B. Leaves, C. Bark, D. Flowers



75. *Sapindus saponaria*: A. Tree, B. Bark, C. Leaves, D. Flowers, E. Fruits



76. *Picrasma quassioides*: A. Tree, B. Bark, C. Leaves, D. Fruits

77. *Symplocos paniculata*: A. Tree, B. Bark, C. Leaves, D. Flowers

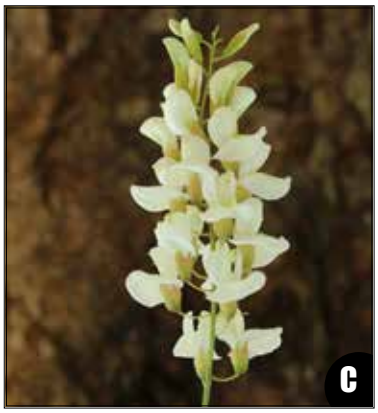
78. *Symplocos racemosa*: A. Tree, B. Bark, C. Flowering twig with leaves

79. *Boehmeria rugulosa*: A. Tree, B. Bark, C & D. Leaves with flowers

80. *Jacaranda mimosifolia*: A. Tree, B. Leaf, C. Bark, D. Flowering twig, E. Flower, F. Fruit

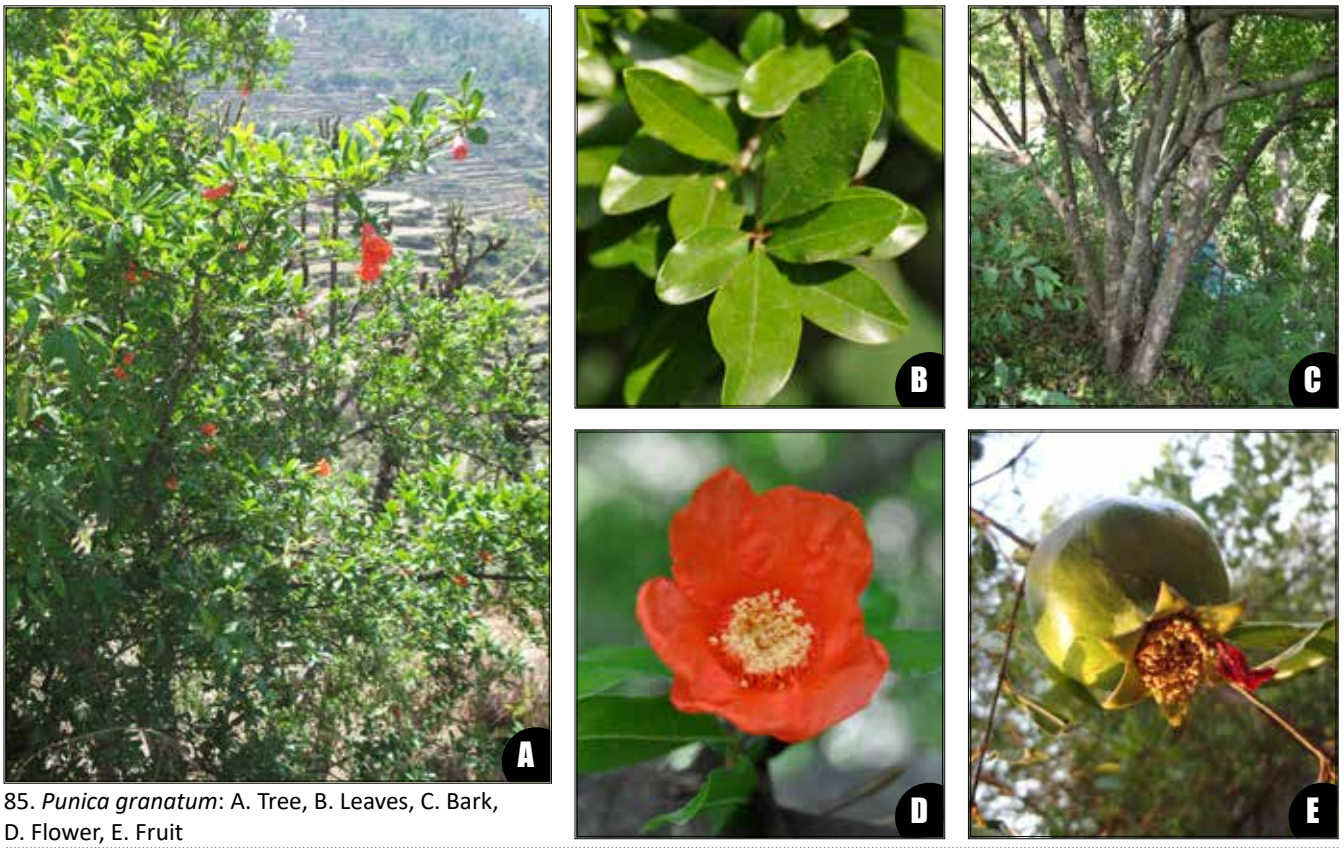
81. *Delonix regia*: A. Tree, B. Leaves with flowers, C. Flowers

82. *Leucaena leucocephala*: A. Tree, B. Bark, C. Leaves, D. Flowers, E. Fruits

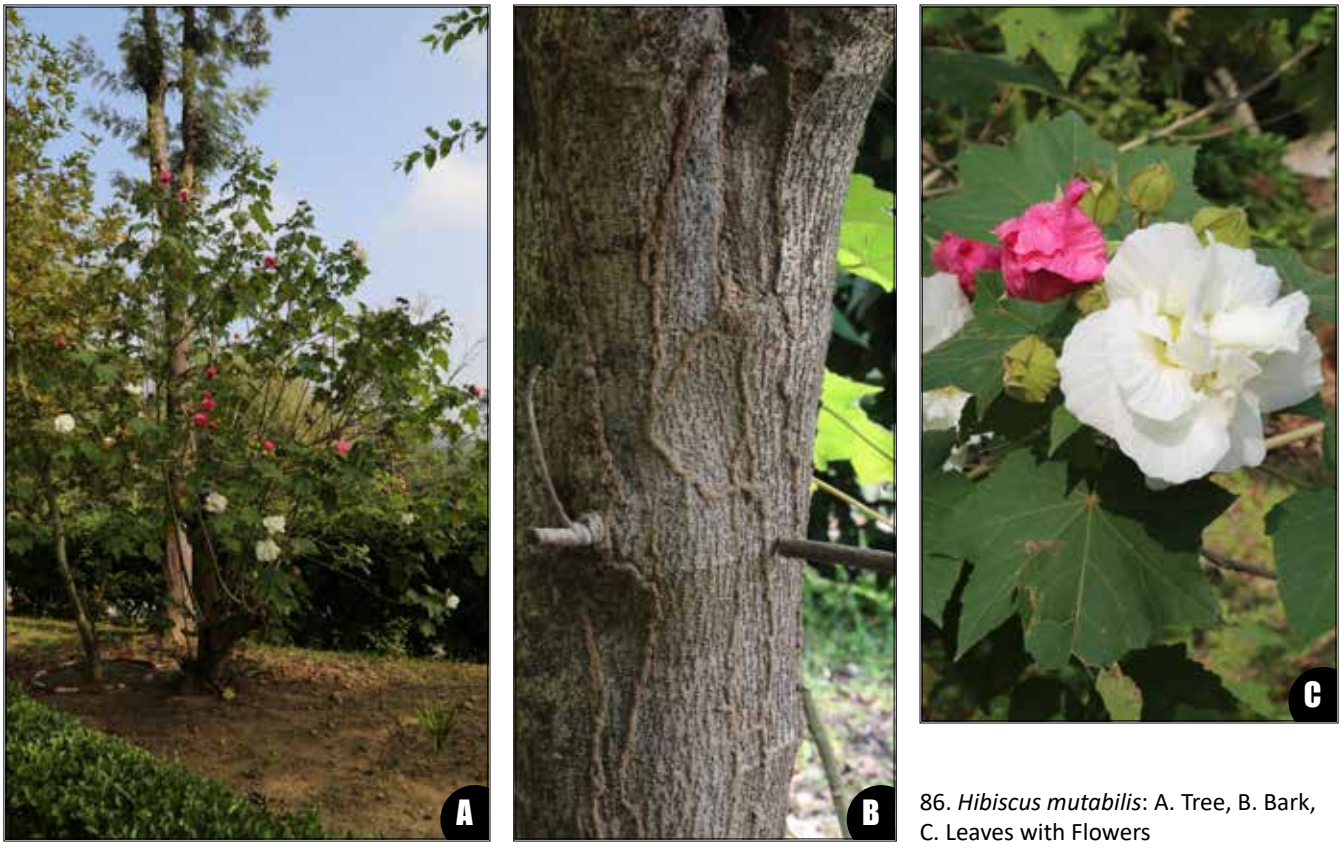


83. *Robinia pseudoacacia*: A, Tree, B. Bark, C. Flowers, D. Leaves

84. *Saraca asoca*: A. Twig, B. Flowers, C. Bark

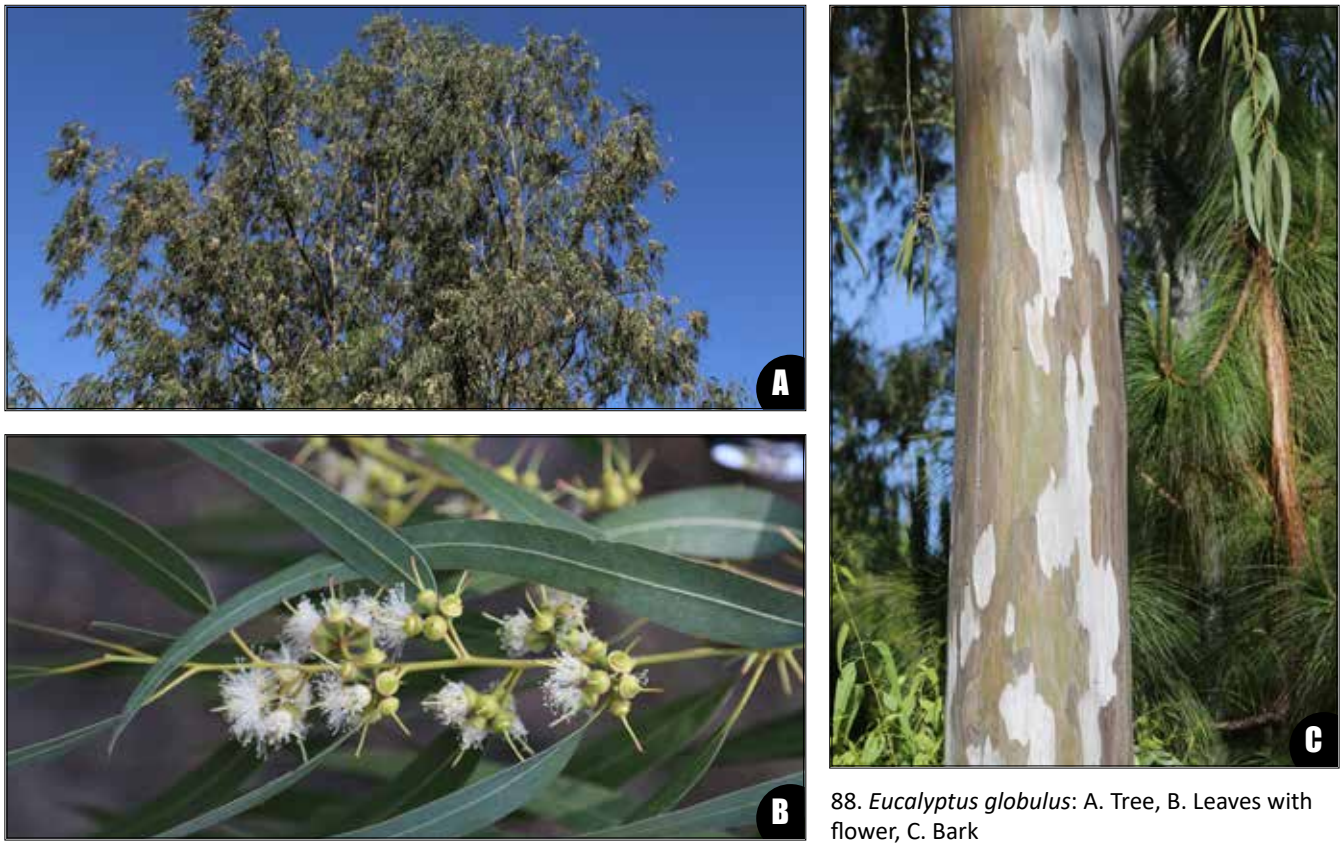


85. *Punica granatum*: A. Tree, B. Leaves, C. Bark, D. Flower, E. Fruit

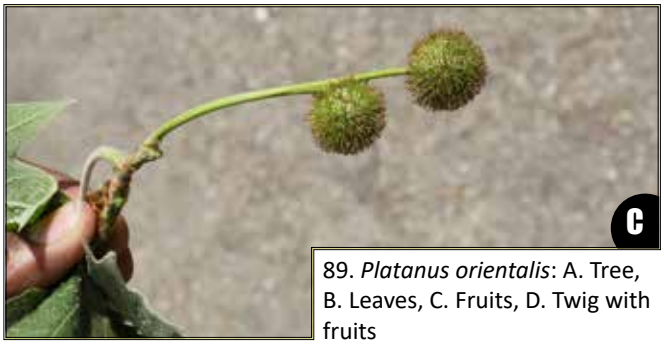


86. *Hibiscus mutabilis*: A. Tree, B. Bark, C. Leaves with Flowers

87. *Callistemon citrinus*: A. Tree, B. Bark, C. Flower, D. Twig with flowers



88. *Eucalyptus globulus*: A. Tree, B. Leaves with flower, C. Bark

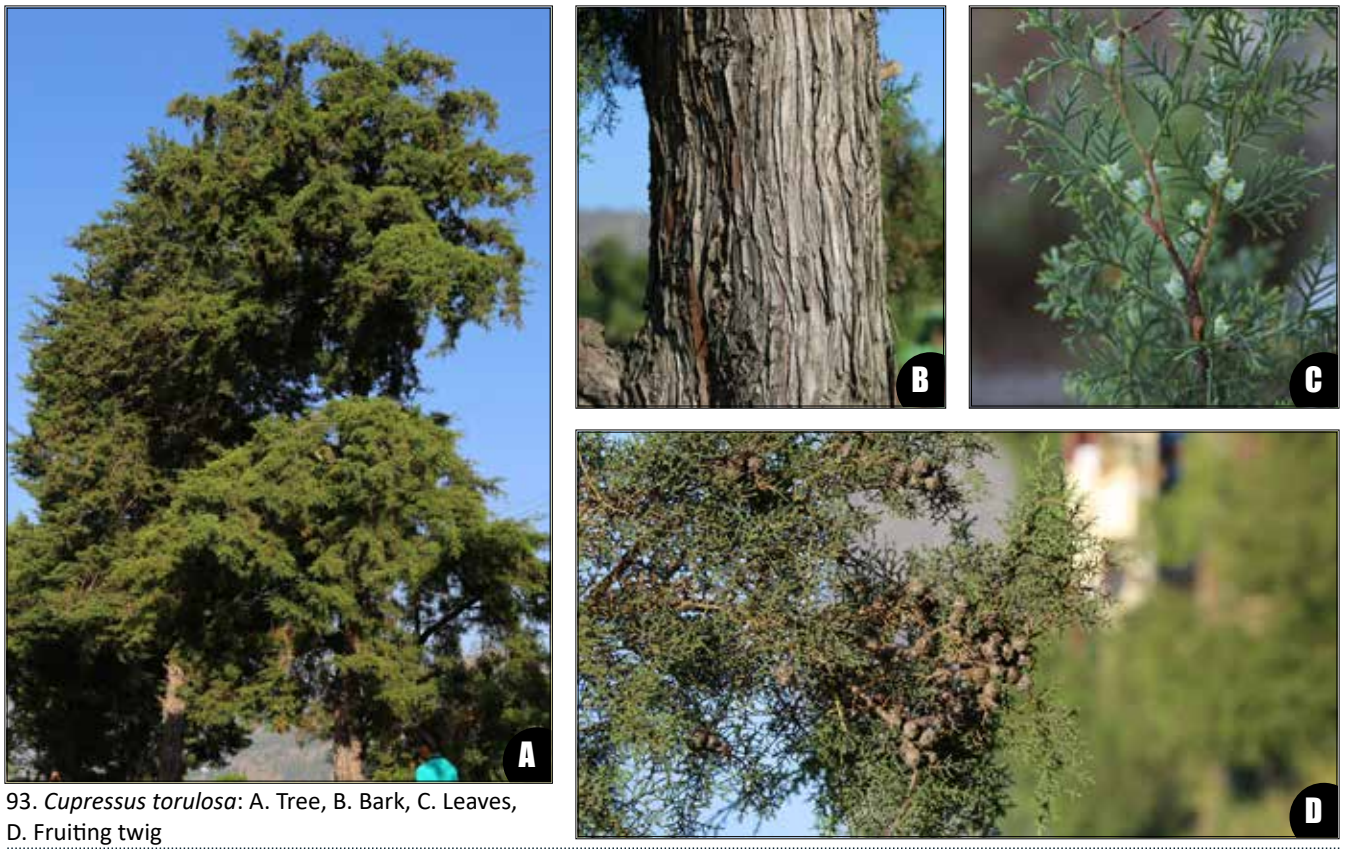


89. *Platanus orientalis*: A. Tree, B. Leaves, C. Fruits, D. Twig with fruits

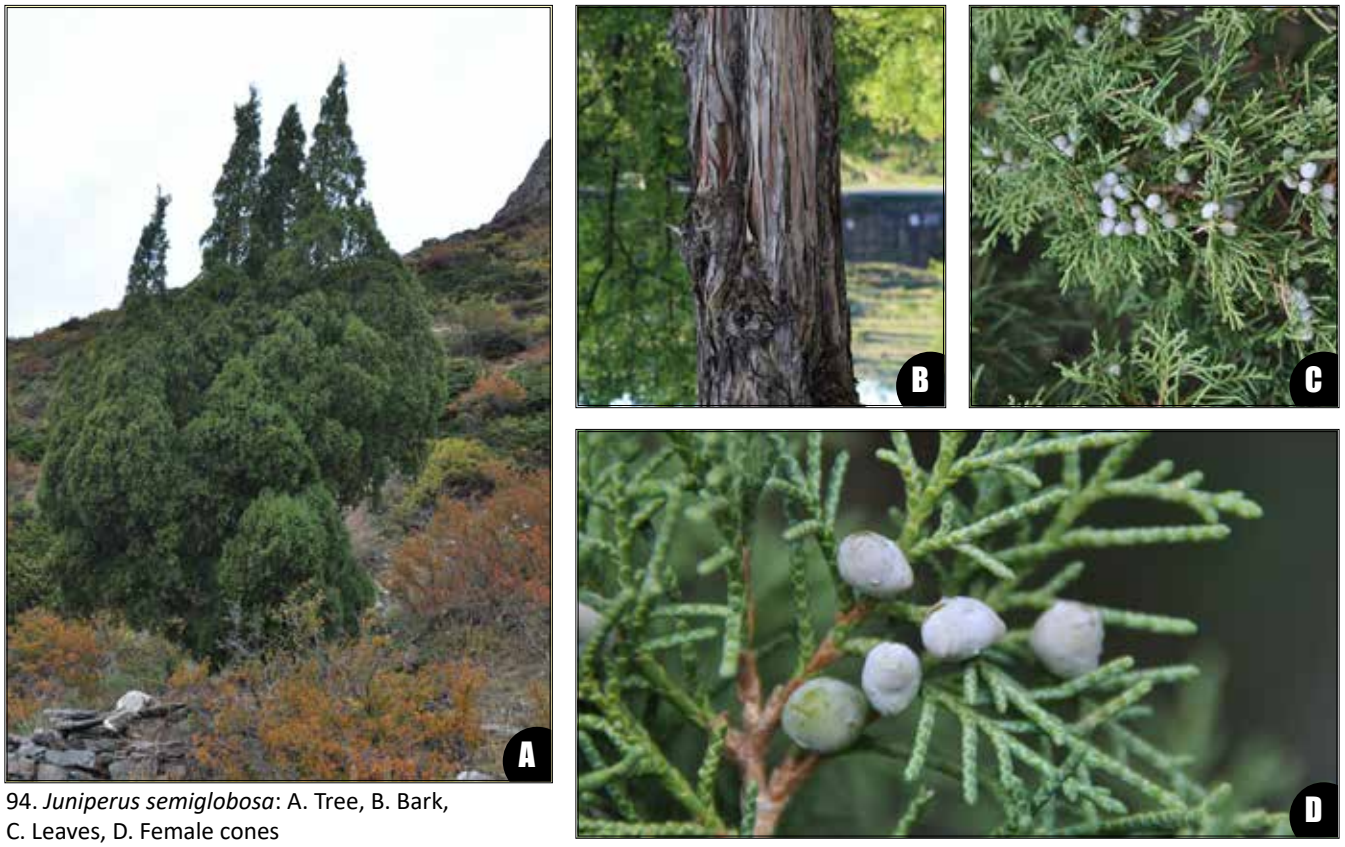
90. *Pyrus communis*: A. Tree, B. Leaf, C. Twig with fruits, D. Bark

91. *Populus ciliata*: A. Tree, B. Leaf, C. Bark, D. Twig with fruits, E. Fruits

92. *Salix babylonica*: A. Tree, B. Bark, C. Leaves, D. Leaves with catkins



93. *Cupressus torulosa*: A. Tree, B. Bark, C. Leaves, D. Fruiting twig



94. *Juniperus semiglobosa*: A. Tree, B. Bark, C. Leaves, D. Female cones

95. *Abies spectabilis*: A. Tree, B. Bark, C. Leaves with male cones, D. Female cones

96. *Cedrus deodara*: A. Tree, B. Leaves with male cone, C. Bark, D. Female cone

97. *Picea smithiana*: A. Tree, B. Leaves, C. Bark, D. Female cone

98. *Pinus roxburghii*: A. Tree, B. Bark, C. Male cone, D. Female cone

99. *Pinus wallichiana*: A. Tree, B. Cones, C. Bark, D. Female Cones closer view

100. *Taxus wallichiana*: A. Tree, B & C. Leaves with Cone

About the Institute

G.B. Pant National Institute of Himalayan Environment (formerly known as G.B. Pant Institute of Himalayan Environment & Development) was established in 1988-89, during the birth centenary year of Bharat Ratna Pt. Govind Ballabh Pant, as an autonomous Institute of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India, which has been identified as a focal agency to advance scientific knowledge, to evolve integrated management strategies, demonstrate their efficacy for conservation of natural resources, and to ensure environmentally sound development in the entire Indian Himalayan Region (IHR). The Institute attempts to maintain a balance of intricate linkages between socio-cultural, ecological, economic and physical systems that could lead to sustainability in the IHR. To achieve this, the Institute follows a multidisciplinary and holistic approach in all its Research and Development programmes with emphasis on interlinking natural and social sciences. In this effort, particular attention is given to the preservation of fragile mountain ecosystems, indigenous knowledge systems and sustainable use of natural resources. A conscious effort is made to ensure participation of local inhabitants for long-term acceptance and success of various programmes. Training, environmental education and awareness to different stakeholders are essential components of all the R&D programmes of the Institute.

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