



## Status of Phyto-diversity along the altitudinal gradient in the Garhwal forest division, Garhwal Himalaya, India

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### Abstract

The present study was conducted in Garhwal Forest Division of district Pauri, Uttarakhand, India to document current status of plant species diversity and their availability in the area. A total of 606 Species belonging to 400 genera and 118 families have been recorded including 155 trees, 113 shrubs, 320 herbs and 18 Climbers. Angiosperms include 600 Species and 6 gymnosperms. *Asteraceae* is the dominant family in the study area with 67 Species while *Fabaceae* is second most dominant family with 41 Species. Top ten dominant families include *Rosaceae* with 35 Species, *Lamiaceae* with 27 Species, *Poaceae* with 18 Species, *Scrophulariaceae*, *Ranunculaceae* and *Polygalaceae* each with 16 Species, *Apiaceae* with 15 Species *Moraceae* with 13 Species and *Rubiaceae* with 11 Species. This study may be helpful to the scientists, planners and particularly to the State Forest Department for developing a strategy and action plans for the management of biodiversity rich areas.

**Keywords:** floristic diversity, Garhwal forest division, Himalaya

### Introduction

Garhwal Himalaya has varied landscapes and soil formation, and variety of vegetation types. It is well known for its unique flora and fauna, and high level of endemism (Samant and Joshi, 2003; Singh and Singh, 1987) [23, 24].

The biological diversity of mountain ecosystems has long been studied by ecologists. Abiotic environmental factors vary across space and time and determine vegetation patterns across landscapes (Zhang *et al.*, 2013; Kumar and Sharma, 2017a, b) [26, 13, 12]. The diversity and composition of plant communities in a region are governed by several factors, viz., time, altitude, slope and aspect, soil, humidity, and precipitation. Among these factors, altitude has significant influence on the plant communities (Gauthier *et al.*, 2000; Kharkwal *et al.*, 2005) [7]. The species richness of a specific plant community changes clearly along altitudinal gradient of its distribution with strong impact of elevation on the vegetation structure of the most mountain ecosystems of the world (Zhang *et al.*, 2013; Sabatini *et al.*, 2018 and Go'mez-Di'az *et al.*, 2017) [26, 20]. Altitude range (800-6000m) particularly in the Himalayan region plays an important role in species diversity and distribution. Diversity and composition of species with various other communities in the high altitudes of Himalayan region does have a significant role in maintaining the biodiversity of these areas and in the larger for climate change mitigation.

Across globe humans rely on plants for their basic needs such as food, fodder, fuel, medicine, timber, resins, and oil, etc. (Gaur, 1999) [6]. Uniyal *et al.*, (2007) [25] reported more than 4700 species under 1523 genera and 223 families of flowering plants from Uttarakhand. The wide altitudinal range, rapid change in elevational gradient within the same latitude and high endemism make this region interesting for floristic and ecological studies (Arora, 1995; Zobel and Singh, 1997) [1, 27]. Plant community plays a pivotal role in

sustainable management by maintaining biodiversity and conserving the environment (Farooque & Saxena, 1996).

Documentation of floristic diversity of the local or regional area becomes important to help in botanical enumeration, documenting changes in ecological conditions, and determining the nature and distribution of plant resources to be managed (Chalise *et al.*, 2018) [2].

### Material and Methods

#### Study area

Uttarakhand state lies between 28°43' to 31°28' N Latitude and 77°34' to 81°03' E Longitude covering a total area of 53,483 Km<sup>2</sup>. The recoded forest area of the state is 34,691 km<sup>2</sup> which comprises 64.79% of its geographical area with sub-tropical to temperate climate except in the plain areas where the climate is tropical. The average annual rainfall of the state is 1550 mm and temperature range from 0° C to 43° C (FSI, 2009).

The present study was conducted in sub-tropical to temperate zone between the altitudes 700m to 3100m above sea level in Garhwal Forest Division (a division of Indian Forest Department) which is situated in district Pauri Garhwal between 30° 30'00" N latitude to 78° 30' 00" E longitude. This forest division covers an area of 72201.4 hectare and divided into six ranges namely, Diva range (total area 10357.5 ha), East-Ameli range (total area 18264.9ha), West-Ameli range (total area 10709ha), Paithani range (total area 13162.4ha), Pokhda range (total area 11026.7ha), Pauri range (total area 6641.3ha).

The climate is represented by three main seasons: The cool and moderately dry winter in December to March, warm and dry summer in mid-April to June and warm and wet period in mid-July to September or the monsoon or rainy season. The temperate area receives moderate to high snowfall from December to February on high elevations.

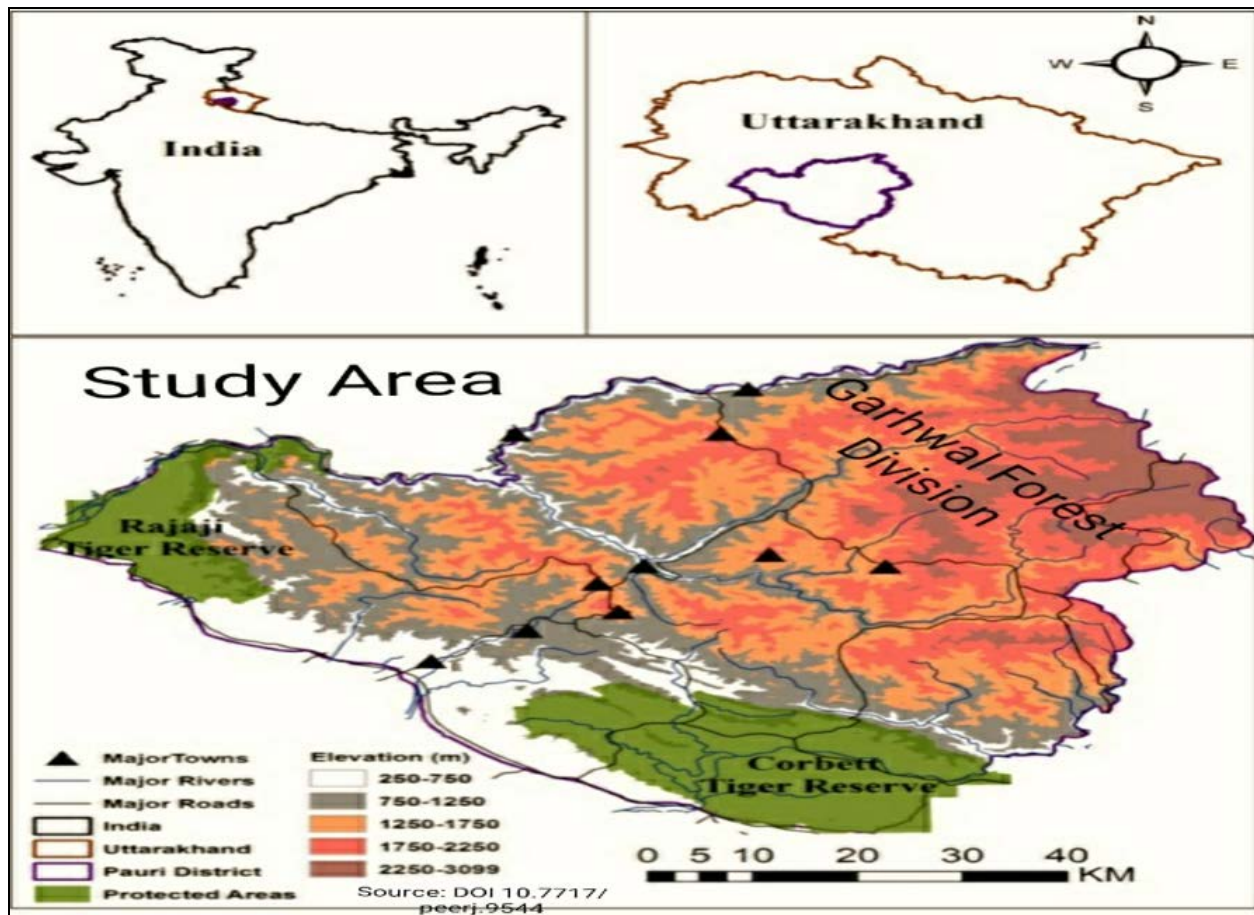


Fig 1: Map of the study area

### Data collection

Extensive field survey was carried out in the study area for the collection of plant specimens during various seasons in 2019 and 2020. Field data on local names, morphology, general association, availability and distribution in terms of elevation were noted.

To assess the diversity of plants the specimens of each species were collected as per Jain & Rao (1977) and identified with the help of existing floras (Naithani, 1984-1985; Gaur, 1999) [6] of the region and Herbariums like Forest Research Institute (DD) and Botanical Survey of India, Northern Circle, DehraDun (BSD).

The species are enumerated in a table with the information on family, botanical name, local name, habit, availability status, distributions. The accepted scientific names of species are as per [www.worldfloraonline.org](http://www.worldfloraonline.org) and [www.theplantlist.org](http://www.theplantlist.org) Plant growth forms realized are herb (H), shrub (S), Climber (Cl) and tree (T).

### Results and Discussion

The floristic diversity of Garhwal forest division revealed a total of 606 Species (Table 1) belonging to 400 genera and 118 families including 320 herbs, 113 shrubs, 155 trees and 18 climbers species (Fig.1). Among 606 plant species, 600 Species were Angiosperm and 6 Species belong to Gymnosperm. The most dominant family was *Asteraceae* with 67 numbers of Species which showed the similar pattern with other forests of Indian Himalayan Region. Other Species family were *Fabaceae* 41 Species, *Rosaceae* 35, *Lamiaceae* 27, *Poaceae* 18, *Scrophulariaceae*, *Ranunculaceae*, *Polygalaceae* with 16 species each, *Apiaceae* 15, *Moraceae* 13, *Rubiaceae* 11 species (Table 2).

Out of 118 recorded families 40 represented by single species.

The most dominant genera in the study area were *Ficus* 11 Species, *Viburnum* 7 Species, *Rubus*, *Prunus*, *Impatiens* with 6 Species each and *Potentilla*, *Polygonum*, *Euphorbia*, *Desmodium*, *Berberis* with 5 Species each (Table 3).

Uttarakhand is one of the phytodiverse states of India which is losing its plant diversity, both in terms of decline in the population of individuals as well as the degradation of ecosystems, at an alarming rate (Chandra Sekar and Srivastava, 2009; Pandey *et al.*, 2018).

Due to increagement of anthropogenic activities has negative impact on the native flora by gradually replaces the native species diversity which promote the interoduction of exotic species (Sonali Mamgain and S. P. Joshi, 2017) [14].

The disturbances created by these factors determine the forest dynamic and tree diversity at local and regional scales (Hubbell *et al.*, 1999) [4].

The change in plant diversity and general community attributes along a disturbance to maintain maximum biodiversity and formulate a strategy for effective conservation (Pandey and Shukla, 1999) [19].

Khera *et al.* (2001) have warned that 25% of all species could become extinct during the next 20-30 years, among the causes of loss of species, the prime factor is the loss & fragmentation of natural habitats.

Miller *et al.* (1999) [15] have emphasized that efforts at multiple levels are necessary for global conservation of biodiversity, forests are major stress of species, habitat & genetic diversity Noble & Dirzo, 1997. Kimmins (1997) [10] have cleaved that human interference on forests will have inspect on local, regional & global diversity. Kumart *et al.*

(2006) have stated that understanding species diversity & distribution pattern is important to evaluate the complexity & resources of the forests. Majority of studies on floristic diversity focus on inventory (Sagav *et al.*, 2003; Padalia *et al.*, 2004) [17]. Expansion of biotic activities in forest areas & over exploitation of natural resources.

### Conclusion

Based on the results it can be concluded that the area of Garhwal Forest Division has high potential in terms of number of species, therefore there is a need to develop adequate strategy and action plan for the conservation and

management of habitats species and communities, could be ensured the sustainable utilization of these species.

### Acknowledgment

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**Table 1:** Inventory of taxa at specific level

Botanical Name of the Plant	Family name	Local name	Status	Occurrence	Range in m (amsl)
<i>Barleria cristata</i> L.	Acanthaceae	Kala-Bansa	H	C	1400-2000
<i>Dicliptera chinensis</i> (L.) Juss.	Acanthaceae	Kulenkatti	H	C	1300-2000
<i>Justicia japonica</i> Thunb.	Acanthaceae	-	H	U	1500-1700
<i>Strobilanthes atropurpureus</i> Nees	Acanthaceae	Jimiliya	H	C	2400-3000
<i>Strobilanthes tomentosa</i> (Nees) J.R.I. Wood	Acanthaceae	Jundela	H	U	1600-1800
<i>Adhatoda zeylanica</i> Medik.	Acanthaceae	Bashinga	S	C	1500-2500
<i>Pteracanthus alatus</i> (Nees) Bremek.	Acanthaceae	Jania	S	C	1500-2400
<i>Acer acuminatum</i> Wall. ex D. Don	Aceraceae	Ratha	T	C	2500-2900
<i>Acer caesium</i> Wall. ex Brandis	Aceraceae	Kanjul	T	U	2500-2900
<i>Acer oblongum</i> Wall. ex DC.	Aceraceae	Kirmol, Putali	T	C	0400-2500
<i>Acer pictum</i> Thunb.	Aceraceae	Gadhpapadi, Papadi	T	C	2000-2800
<i>Acorus calamus</i> L.	Acoraceae	Baz	S	C	0900-1600
<i>Viburnum cylindricum</i> Buch.-Ham. ex D. Don	Adoxaceae	Kala-Titmulya, Brad	S	C	1200-2500
<i>Viburnum erubescens</i> Wall.	Adoxaceae	Gagnai	S	C	1800-2800
<i>Viburnum nervosum</i> D. Don	Adoxaceae	Tirnoi	S	C	2500-3000
<i>Viburnum cotinifolium</i> D. Don	Adoxaceae	Brad	S	C	1600-3000
<i>Viburnum mullaha</i> Buch.-Ham. ex D. Don	Adoxaceae	Tita	S	U	1200-1900
<i>Viburnum punctatum</i> Buch.-Ham. ex D. Don	Adoxaceae	Tita	S	C	1300-1600
<i>Viburnum grandiflorum</i> Wall. ex DC	Adoxaceae	Tita	T	C	1200-2100
<i>Achyranthes aspera</i> L.	Amaranthaceae	Lichkur	H	C	1300-2200
<i>Achyranthes bidentata</i> Blume	Amaranthaceae	-	H	C	1400-2000
<i>Alternanthera philoxeroides</i> (Mart.) Griseb	Amaranthaceae	-	H	U	1500-2200
<i>Amaranthus cruentus</i> L.	Amaranthaceae	-	H	C	1500-2200
<i>Amaranthus spinosus</i> L.	Amaranthaceae	Chua	H	U	1300-2100
<i>Amaranthus viridis</i> L.	Amaranthaceae	Chua	H	C	1300-2000
<i>Digera muricata</i> (L.) Mart.	Amaranthaceae	-	H	U	1300-1600
<i>Gomphrena celosioides</i> Mart.	Amaranthaceae	-	H	U	1300-1400
<i>Pupalia lappacea</i> (L.) Juss.	Amaranthaceae	-	H	U	1300-1500
<i>Cyathula capitata</i> Moq.	Amaranthaceae	-	S	C	1800-2600
<i>Deeringia amaranthoides</i> (Lam.) Merr.	Amaranthaceae	Kalalori	S	C	1500-2200
<i>Cotinus coggygria</i> Scop.	Anacardiaceae	Jultulg	S	C	1000-2000
<i>Lansea coromandelica</i> (Houtt.) Merr.	Anacardiaceae	Jhingan	T	C	1300-1700
<i>Mangifera indica</i> L.	Anacardiaceae	Aam	T	C	0800-1200
<i>Pistacia chinensis</i> Bunge	Anacardiaceae	Kakarshinghi	T	U	1000-1600
<i>Rhus chinensis</i> Mill.	Anacardiaceae	Dasmila	T	C	1200-2200
<i>Spondias pinnata</i> (L. f.) Kurz	Anacardiaceae	Reetha	T	C	0800-1500
<i>Toxicodendron wallichii</i> (Hook. f.) Kuntze	Anacardiaceae	Kokhi	T	C	1300-2000
<i>Angelica glauca</i> Edgew.	Apiaceae	Chouru	H	U	2500-3000
<i>Apium graveolens</i> L.	Apiaceae	Slari	H	C	2000-2500
<i>Bupleurum lanceolatum</i> Wall. ex DC.	Apiaceae	-	H	U	1600-2300
<i>Bupleurum longicaule</i> Wall. ex DC.	Apiaceae	-	H	U	2400-2700
<i>Bupleurum hamiltonii</i> N.P.Balacr.	Apiaceae	Jungli jeera	H	U	2200-2700
<i>Bupleurum himalayense</i> Klotzsch	Apiaceae	-	H	U	2300-3000
<i>Centella asiatica</i> (L.) Urb.	Apiaceae	-	H	C	1600-2500
<i>Chaerophyllum acuminatum</i> Lindl.	Apiaceae	Kanjari	H	C	2200-3000
<i>Chaerophyllum reflexum</i> Aitch.	Apiaceae	Kanjari	H	C	2500-3000
<i>Ligusticum striatum</i> DC.	Apiaceae	-	H	U	1600-2000
<i>Pimpinella acuminata</i> (Edgew.) C.B. Clarke	Apiaceae	-	H	U	1900-2200
<i>Pimpinella diversifolia</i> DC.	Apiaceae	-	H	C	1500-2400
<i>Sanicula elata</i> Buch.-Ham. ex D. Don	Apiaceae	-	H	U	1700-3500
<i>Selinum wallichianum</i> (DC.) Raizada & H.O. Saxena	Apiaceae	Bhutkiyos	H	C	2700-3000

<i>Vicatia conifolia</i> Wall. ex DC.	Apiaceae	-	H	U	2100-2700
<i>Calotropis procera</i> (Aiton) Dryand.	Apocynaceae	Aak	S	C	0800-1200
<i>Carissa opaca</i> Stapf ex Haines	Apocynaceae	Karonda	S	C	1200-1800
<i>Nerium oleander</i> L.	Apocynaceae	Kanar	S	C	1600-2000
<i>Hedera nepalensis</i> K.Koch	Araliaceae	Lagula	Cl	C	1500-3000
<i>Arisaema tortuosum</i> (Wall.) Schott	Arecaceae	baghmungari	H	C	1300-2000
<i>Phoenix acaulis</i> Roxb.	Arecaceae	Khajuri	T	C	1500-2500
<i>Phoenix humilis</i> (L.) Cav.	Arecaceae	Thakal	T	U	1200-1800
<i>Asclepias curassavica</i> L.	Asclepiadaceae	-	H	U	1500-2000
<i>Cryptolepis buchananii</i> Roem. & Schult.	Asclepiadaceae	Dudhibale	S	C	1800-2100
<i>Cynanchum auriculatum</i> Royle ex Wight	Asclepiadaceae	-	S	U	2000-2400
<i>Marsdenia roylei</i> Wight	Asclepiadaceae	-	S	U	1800-2500
<i>Agave americana</i> L.	Asparagaceae	Rambans	S	C	0900-1600
<i>Asparagus adscendens</i> Roxb.	Asparagaceae	Kanda	S	C	0950-1700
<i>Asparagus racemosus</i> Willd.	Asparagaceae	Stawar	S	C	1500-1800
<i>Polygonatum cirrhifolium</i> (Wall.) Royle	Asparagaceae	Mahameda	S	U	1800-3000
<i>Adenostemma lavenia</i> (L.) Kuntze	Asteraceae	-	H	U	1600-2000
<i>Ageratina adenophora</i> (Spreng.) R.M. King & H. Rob.	Asteraceae	Guyajhar, Pagalghass	S	C	1300-2600
<i>Ageratum conyzoides</i> (L.) L.	Asteraceae	-	H	C	1300-2000
<i>Ageratum houstonianum</i> Mill.	Asteraceae	-	H	C	1800-2000
<i>Ainsliaea latifolia</i> (D. Don) Sch. Bip.	Asteraceae	Koor	H	C	1500-2600
<i>Ainsliaea aptera</i> DC.	Asteraceae	Kuro	H	C	1500-2700
<i>Anaphalis busua</i> (Buch.-Ham.) DC.	Asteraceae	Bukhil	H	C	1500-2700
<i>Anaphalis contorta</i> (D. Don) Hook. f.	Asteraceae	Bukhil	H	C	1400-2000
<i>Anaphalis triplinervis</i> (Sims) Sims ex C.B. Clarke	Asteraceae	-	H	C	1900-2300
<i>Anaphalis adnata</i> Wall. ex DC.	Asteraceae	Buglu	H	C	1800-2900
<i>Arctium lappa</i> L.	Asteraceae	-	H	U	2500-2800
<i>Artemisia roxburghiana</i> Wall. ex Besser	Asteraceae	Kundzu	H	C	1800-2700
<i>Athanasia linifolia</i> Burm. f.	Asteraceae	Bhootkesh	H	U	2900-3000
<i>Bidens bipinnata</i> L.	Asteraceae	-	H	C	1400-2000
<i>Bidens pilosa</i> L.	Asteraceae	Kumar	H	C	1200-2200
<i>Carpesium nepalense</i> Less.	Asteraceae	-	H	C	1800-2000
<i>Carpesium abrotanoides</i> L.	Asteraceae	Kul	H	U	2100-2800
<i>Chaetoseris cyanea</i> (D. Don) C. Shih	Asteraceae	-	H	C	1700-2100
<i>Cirsium wallichii</i> DC.	Asteraceae	Kaniya	H	C	1300-2100
<i>Cirsium verutum</i> (D. Don) Spreng.	Asteraceae	Kaniya	H	C	1500-2100
<i>Conyza japonica</i> (Thunb.) Less. ex Less.	Asteraceae	-	H	C	1800-2200
<i>Conyza stricta</i> Willd.	Asteraceae	-	H	C	1800-2200
<i>Cosmos sulphureus</i> Cav.	Asteraceae	-	H	U	1500-1900
<i>Crassocephalum crepidioides</i> (Benth.) S. Moore	Asteraceae	-	H	U	1300-1400
<i>Cyanthillium cinereum</i> (L.) H. Rob.	Asteraceae	-	H	C	1400-1700
<i>Dichrocephala integrifolia</i> (L. f.) Kuntze	Asteraceae	-	H	U	1600-1800
<i>Echinops cornigerus</i> DC.	Asteraceae	-	H	C	1400-1600
<i>Eclipta prostrata</i> (L.) L.	Asteraceae	Bhangraw	H	C	1800-2000
<i>Erigeron sublyratus</i> DC.	Asteraceae	-	H	C	1300-1900
<i>Erigeron multiradiatus</i> var. <i>glabrescens</i> Ling & Y.L.Chen	Asteraceae	-	H	C	2400-2900
<i>Galinsoga parviflora</i> Cav.	Asteraceae	jhar	H	C	2000-2400
<i>Gerbera gossypina</i> (Royle) Beauverd	Asteraceae	-	H	C	1700-1900
<i>Gerbera maxima</i> (D. Don) Beauverd	Asteraceae	-	H	U	1900-2300
<i>Gnaphalium purpureum</i> L.	Asteraceae	Bugla	H	C	2000-2500
<i>Gnaphalium affine</i> D. Don	Asteraceae	-	H	C	1800-2000
<i>Himalaiella heteromalla</i> (D. Don) Raab-Straube	Asteraceae	-	H	U	1300-1500
<i>Inula cappa</i> (Buch.-Ham. ex D. Don) DC.	Asteraceae	-	H	C	1400-2000
<i>Lactuca brunoniana</i> (DC.) Wall. ex C.B. Clarke	Asteraceae	Ganpatiya	H	U	2500-3000
<i>Lactuca dolichophylla</i> Kitam.	Asteraceae	-	H	U	1600-1700
<i>Ligularia amplexicaulis</i> DC.	Asteraceae	-	H	C	2500-3000
<i>Myriactis nepalensis</i> Less.	Asteraceae	-	H	C	2400-2900
<i>Myriactis wallichii</i> Less.	Asteraceae	-	H	C	1600-1900
<i>Parthenium hysterophorus</i> L.	Asteraceae	Gajar-Ghas	H	U	1300-1600
<i>Pentanema indicum</i> (L.) Ling	Asteraceae	-	H	C	1300-1600
<i>Saussurea auriculata</i> (DC.) Sch. Bip.	Asteraceae	-	H	U	2600-3000
<i>Senecio chrysanthemoides</i> DC.	Asteraceae	-	H	C	1800-2200
<i>Senecio nudicaulis</i> Buch.-Ham. ex D. Don	Asteraceae	-	H	C	1700-2300
<i>Senecio laetus</i> Edgew.	Asteraceae	-	H	C	2500-2900
<i>Senecio wightianus</i> DC. ex Wight	Asteraceae	-	H	U	2200-3000
<i>Sigesbeckia orientalis</i> L.	Asteraceae	-	H	C	1300-1600
<i>Solidago virga-aurea</i> L.	Asteraceae	Panja-phool	H	C	2000-2800
<i>Sonchus brachyotus</i> DC.	Asteraceae	-	H	C	1500-2000

<i>Sonchus oleraceus</i> (L.) L.	Asteraceae	-	H	C	1400-2100
<i>Synotis alata</i> C. Jeffrey & Y.L. Chen	Asteraceae	-	H	C	2200-3000
<i>Synotis rufinervis</i> (DC.) C. Jeffrey & Y.L. Chen	Asteraceae	-	H	U	2400-2700
<i>Taraxacum officinale</i> Webb	Asteraceae	-	H	C	1800-3000
<i>Tragopogon gracilis</i> D. Don	Asteraceae	Dudiya	H	C	1600-2000
<i>Tridax procumbens</i> (L.) L.	Asteraceae	-	H	C	1300-1800
<i>Xanthium strumarium</i> L.	Asteraceae	Gokhru	H	U	1400-1600
<i>Artemisia maritima</i> L. ex Hook.f.	Asteraceae	-	S	C	1500-2000
<i>Artemisia capillaris</i> Thunb.	Asteraceae	Kanda	S	C	1000-1800
<i>Artemisia nilagirica</i> (C.B. Clarke) Pamp.	Asteraceae	Kundzu	S	C	1400-2200
<i>Inula cuspidata</i> (Wall. ex DC.) C.B. Clarke	Asteraceae	Jhari	S	U	1800-2300
<i>Tagetes minuta</i> L.	Asteraceae	Jangali-Genda	S	C	1200-2500
<i>Xanthium indicum</i> Klatt	Asteraceae	Bhangra	S	C	1500-2100
<i>Grindelia integrifolia</i> DC.	Asteraceae	Papadi	T	C	1000-1500
<i>Picris babylonica</i> Hand.-Mazz.	Asteraceae	Majnu	T	C	1600-2000
<i>Impatiens bicornuta</i> Wall.	Balsaminaceae	-	H	U	2300-2700
<i>Impatiens laxiflora</i> Edgew.	Balsaminaceae	-	H	U	1400-2600
<i>Impatiens scabrata</i> DC.	Balsaminaceae	-	H	C	1700-2000
<i>Impatiens sulcata</i> Wall.	Balsaminaceae	-	H	U	2000-2500
<i>Impatiens racemosa</i> DC.	Balsaminaceae	Chunchun	H	C	2200-2700
<i>Impatiens thomsonii</i> Hook.f.	Balsaminaceae	Gadchuli	H	C	2200-2800
<i>Begonia picta</i> Sm.	Begoniaceae	-	H	C	1400-1900
<i>Holboellia latifolia</i> Wall.	Berberidaceae	Jangli-Srifa	Cl	U	1500-2500
<i>Berberis asiatica</i> Roxb. ex DC.	Berberidaceae	Kilmod	S	C	0800-2000
<i>Berberis chitria</i> D. Don	Berberidaceae	Kingod	S	C	1800-2500
<i>Berberis coriaria</i> Royle ex Lindl.	Berberidaceae	Kingod	S	C	1800-2600
<i>Berberis lycium</i> Royle	Berberidaceae	Kingod	S	C	1200-2500
<i>Berberis aristata</i> DC.	Berberidaceae	Kilmod	S	C	1300-2000
<i>Alnus nepalensis</i> D. Don	Betulaceae	Utesh	T	C	1500-2300
<i>Betula alnoides</i> Buch.-Ham. ex D. Don	Betulaceae	sodu	T	U	1500-2700
<i>Carpinus viminea</i> Wall. ex Lindl.	Betulaceae	Cham-Khadik	T	U	1700-2100
<i>Corylus jacquemontii</i> Decne.	Betulaceae	Bhotiya Badam	T	U	2100-2700
<i>Jacaranda acutifolia</i> Bonpl.	Bignoniaceae	Jakaranda	T	C	1800-2300
<i>Rechsteineria chelonoides</i> (Kunth) Kuntze	Bignoniaceae	Pral	T	C	1200-2300
<i>Cynoglossum wallichii</i> G. Don	Boraginaceae	-	H	C	1600-2200
<i>Cynoglossum zeylanicum</i> (Lehm.) Brand	Boraginaceae	Lichkurr	H	C	1300-2200
<i>Trichodesma indicum</i> (L.) Lehm.	Boraginaceae	-	H	U	1300-1500
<i>Cordia obliqua</i> Willd.	Boraginaceae	Lashoda	T	C	1200-2500
<i>Cordia vestita</i> (A. DC.) Hook.f. & Thomson	Boraginaceae	Borata	T	U	0800-1000
<i>Ehretia laevis</i> Roxb.	Boraginaceae	Dashi Papadi	T	C	0750-1200
<i>Barbarea vulgaris</i> R. Br.	Brassicaceae	-	H	U	1300-1600
<i>Capsella bursa-pastoris</i> (L.) Medik.	Brassicaceae	-	H	U	1500-2000
<i>Cardamine flexuosa</i> With.	Brassicaceae	-	H	C	1800-2500
<i>Nasturtium officinale</i> R. Br.	Brassicaceae	-	H	C	1400-1900
<i>Thlaspi arvense</i> L.	Brassicaceae	-	H	U	1300-1700
<i>Sarcococca saligna</i> Mill. Arg.	Buxaceae	Piruli	S	C	1000-2800
<i>Sarcococca pruniformis</i> var. <i>angustifolia</i> Lindl.	Buxaceae	Piruli	S	C	1500-2400
<i>Buxus wallichiana</i> Baill.	Buxaceae	Papadi	T	U	1800-2200
<i>Opuntia stricta</i> (Haw.) Haw.	Cactaceae	Nagfani	S	C	1500-2000
<i>Chamaecrista pumila</i> (Lam.) K. Larsen	Caesalpiniaceae	-	H	U	1400-2000
<i>Senna tora</i> (L.) Roxb.	Caesalpiniaceae	-	H	U	1300-1400
<i>Campanula pallida</i> Wall. (C. <i>colorata</i> Wall.)	Campanulaceae	-	H	C	2000-2500
<i>Cannabis sativa</i> L.	Cannabaceae	Bhang	S	C	0800-1800
<i>Celtis australis</i> L.	Cannabaceae	Khadik	T	C	1200-2000
<i>Valeriana hardwickii</i> Wall.	Caprifoliaceae	Samoya	S	U	1000-1800
<i>Valeriana jatamansi</i> Jones	Caprifoliaceae	Balchari	S	U	1500-2800
<i>Lonicera quinquelocularis</i> Hard.	Caprifoliaceae	Bhadkukadu	T	C	1500-2500
<i>Drymaria cordata</i> subsp. <i>diandra</i> (Blume) J. A. Duke	Caryophyllaceae	-	H	C	1300-2000
<i>Silene conoidea</i> L.	Caryophyllaceae	Tumriya	H	C	1300-2000
<i>Silene falconeriana</i> Benth.	Caryophyllaceae	-	H	U	1400-1600
<i>Silene indica</i> (Roxb.) Roxb. ex Otth.	Caryophyllaceae	-	H	C	1900-2400
<i>Stellaria media</i> (L.) Vill.	Caryophyllaceae	Badiyaw	H	C	1400-2000
<i>Stellaria monosperma</i> Buch.-Ham. ex D. Don	Caryophyllaceae	-	H	C	1600-2000
<i>Stellaria patens</i> D. Don	Caryophyllaceae	-	H	C	1300-2100
<i>Cassine albens</i> (Retz.) Kosterm.	Celastraceae	Dabari	T	C	1000-1800
<i>Euonymus lacerus</i> Buch.-Ham. ex D. Don	Celastraceae	Pinna	T	C	2000-3300
<i>Euonymus tingens</i> Wall.	Celastraceae	KumKum	T	C	2000-3000
<i>Celastrus paniculatus</i> Willd.	Celastraceae	Kanya	Cl	C	1200-2000

<i>Chenopodium album</i> L.	Chenopodiaceae	Biyoth	H	C	1300-2300
<i>Chenopodium foliosum</i> Asch.	Chenopodiaceae	Biyoth	H	C	1300-2300
<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants	Chenopodiaceae	-	H	U	1300-1500
<i>Cleome viscosa</i> L.	Cleomaceae	Jakhiya	H	U	1300-1500
<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. ex Guillem. & Perr.	Combretaceae	Dhoda	T	C	0800-1500
<i>Terminalia chebula</i> Retz.	Combretaceae	Harad	T	U	0800-1200
<i>Cuscuta reflexa</i> Roxb.	Convolvulaceae	Akash-Bal, Amar-Bale	CL	C	1500-2200
<i>Coriaria nepalensis</i> Wall.	Coriariaceae	Masuri-Bari	S	C	0900-1600
<i>Benthamidia capitata</i> (Wall.) H.Hara	Cornaceae	Bhamora	T	C	1500-2500
<i>Cornus capitata</i> Wall.	Cornaceae	Bhamor	T	U	1500-2500
<i>Kalanchoe integra</i> (Medik.) Kuntze	Crassulaceae	-	H	C	1800-2800
<i>Rhodiola trifida</i> (Hook. f. & Thomson) Jacobsen	Crassulaceae	-	H	U	1300-1500
<i>Rosularia rosulata</i> (Rdgew.) H. Ohba	Crassulaceae	-	H	C	2000-2600
<i>Sedum multicaule</i> Wall. ex Lindl.	Crassulaceae	-	H	U	1500-2200
<i>Trichosanthes palmata</i> L.	Cucurbitaceae	Eladu	Cl	C	1300-2200
<i>Cupressus torulosa</i> D.Don	Cupressaceae	Surai	T	C	1000-2200
<i>Cyperus nutans</i> Vahl	Cyperaceae	-	H	U	1000-1500
<i>Daphniphyllum himalense</i> (Benth.) Müll. Arg.	Daphniphyllaceae	Ratnyalu	T	U	1800-2200
<i>Dioscorea belophylla</i> (Prain) Voigt ex Haines	Dioscoreaceae	Genthi	Cl	C	1500-2500
<i>Dioscorea deltoidea</i> Wall. ex Griseb.	Dioscoreaceae	Harvish, Genthi	Cl	U	1200-2500
<i>Dipsacus inermis</i> Wall.	Dipsacaceae	-	H	C	1900-3000
<i>Shorea robusta</i> Gaertn.	Dipterocarpaceae	Sal	T	U	1000-2200
<i>Drosera peltata</i> Thunb.	Droseraceae	-	H	C	1800-2300
<i>Elaeagnus parvifolia</i> Wall. ex Royle	Elaeagnaceae	Giwaain	S	C	1300-2200
<i>Ilex dipyrrena</i> Wall.	Equifoliaceae	Knar	T	C	1200-2500
<i>Gaultheria nummularioides</i> D. Don	Ericaceae	-	H	C	1900-3000
<i>Lyonia ovalifolia</i> (Wall.) Drude	Ericaceae	Anyar	T	C	1300-2500
<i>Rhododendron arboreum</i> Sm.	Ericaceae	Burans	T	C	1600-2400
<i>Rhododendron campanulatum</i> D. Don	Ericaceae	Burans	T	U	2700-2800
<i>Rhododendron barbatum</i> Wall. ex G. Don	Ericaceae	Bayar	T	C	1800-2800
<i>Euphorbia heterophylla</i> L.	Euphorbiaceae	-	H	C	1300-2000
<i>Euphorbia hirta</i> L.	Euphorbiaceae	Dudhi	H	C	1300-1500
<i>Euphorbia parviflora</i> L.	Euphorbiaceae	Dudiya	H	C	1400-2000
<i>Euphorbia pilosa</i> L.	Euphorbiaceae	-	H	C	1500-2500
<i>Euphorbia royleana</i> Boiss.	Euphorbiaceae	-	H	C	1400-2200
<i>Phyllanthus amarus</i> Schumach. & Thonn.	Euphorbiaceae	-	H	U	1300-1400
<i>Jatropha curcas</i> L.	Euphorbiaceae	Pahadi-Arand	T	C	1200-1800
<i>Mallotus philippensis</i> (Lam.) Müll.Arg.	Euphorbiaceae	Rohani	T	C	1200-1700
<i>Sapium insigne</i> (Royle) Trimmen	Euphorbiaceae	Khinna	T	C	0800-1200
<i>Bauhinia vahlii</i> Wight & Arn.	Fabaceae	Malu	Cl	C	1500-2200
<i>Caesalpinia decapetala</i> (Roth) Alston	Fabaceae	Kingori	Cl	C	1000-1800
<i>Parochetus communis</i> D. Don	Fabaceae	-	Cl	C	1300-2000
<i>Crotalaria alata</i> D. Don	Fabaceae	Chhunchhun	H	C	1300-1600
<i>Crotalaria albida</i> Roth	Fabaceae	Chhunchhun	H	C	1300-1800
<i>Crotalaria calycina</i> Schrank	Fabaceae	Chhunchhun	H	C	1300-1500
<i>Desmodium microphyllum</i> (Thunb.) DC.	Fabaceae	Sunsuni	H	C	1300-2000
<i>Desmodium multiflorum</i> DC.	Fabaceae	-	H	C	1300-2000
<i>Desmodium renifolium</i> (L.) Schindl.	Fabaceae	-	H	U	1300-1400
<i>Flemingia fruticulosa</i> Wall. ex Benth.	Fabaceae	-	H	C	1300-2000
<i>Flemingia macrophylla</i> (Willd.) Merr.	Fabaceae	-	H	U	1400-2000
<i>Lotus corniculatus</i> L.	Fabaceae	-	H	U	2700-3000
<i>Melilotus indicus</i> (L.) All.	Fabaceae	-	H	U	1400-1600
<i>Smithia ciliata</i> Royle	Fabaceae	-	H	C	1500-1900
<i>Trifolium repens</i> L.	Fabaceae	Tinptiya	H	C	1300-2800
<i>Trifolium resupinatum</i> L.	Fabaceae	-	H	U	1350-1450
<i>Vicia sativa</i> L.	Fabaceae	-	H	C	1400-1900
<i>Campylotropis macrostyla</i> (D.Don) Miq.	Fabaceae	-	S	U	1300-1500
<i>Desmodium triflorum</i> (L.) DC.	Fabaceae	Kudalia	S	C	1800-2500
<i>Indigofera cassioides</i> DC.	Fabaceae	Sakinya	S	C	2000-2700
<i>Indigofera dosua</i> D. Don	Fabaceae	Kathi, Sakinya	S	C	2000-2800
<i>Indigofera heterantha</i> Brandis	Fabaceae	Shakina	S	C	1500-2300
<i>Indigofera tinctoria</i> Hook.	Fabaceae	Sakina	S	C	1200-2500
<i>Mimosa himalayana</i> Gamble	Fabaceae	Khinkari	S	C	0800-1200
<i>Mimosa pudica</i> L.	Fabaceae	Chui-Mui	S	C	0900-1600
<i>Acacia caesia</i> (L.) Willd.	Fabaceae	Ella	T	C	1200-1800
<i>Albizia chinensis</i> (Osbeck) Merr.	Fabaceae	Kala-Sirus	T	C	0800-1200
<i>Albizia julibrissin</i> Durazz.	Fabaceae	Bhandeer	T	C	1500-2000

<i>Albizia lebbek</i> sensu auct.	Fabaceae	Sirus	T	C	1200-2000
<i>Albizia odoratissima</i> (L.f.) Benth.	Fabaceae	Kala-Sirus	T	C	1200-1800
<i>Bauhinia purpurea</i> L.	Fabaceae	Gryal	T	C	1000-1600
<i>Bauhinia semla</i> Wunderlin	Fabaceae	Samal	T	C	1000-1600
<i>Bauhinia variegata</i> L.	Fabaceae	Kachanar	T	C	1500-2000
<i>Cassia fistula</i> L.	Fabaceae	Amaltash	T	C	1000-1600
<i>Delonix regia</i> (Hook.) Raf.	Fabaceae	Gulmohar	T	C	0800-1800
<i>Erythrina suberosa</i> Roxb.	Fabaceae	Dhak	T	C	0900-1500
<i>Ougeinia oojeinensis</i> (Roxb.) Hochr.	Fabaceae	Sandan	T	C	1500-2100
<i>Robinia pseudoacacia</i> L.	Fabaceae	Robiniya	T	C	0800-1800
<i>Millettia extensa</i> (Benth.) Baker	Fabaceae	Gooj	Cl	C	1000-1500
<i>Desmodium elegans</i> (Lour.) Benth.	Fabaceae	Chamloi	S	C	0900-1600
<i>Dalbergia sissoo</i> DC.	Fabaceae	Shesham	T	C	0800-1200
<i>Dalbergia tribuloides</i> (Sm.) A.DC.	Fagaceae	Katoni	T	C	1000-1600
<i>Quercus floribunda</i> Lindl. ex A.Camus	Fagaceae	Tilonj, Moru	T	C	1500-2800
<i>Quercus glauca</i> Martrin-Donos & Timb.-Lagr.	Fagaceae	Flyant	T	U	1200-1500
<i>Quercus semecarpifolia</i> Sm.	Fagaceae	Kharshu, Kharu	T	C	2500-3000
<i>Quercus leucotrichophora</i> A.Camus	Fagaceae	Banj	T	C	1800-2500
<i>Corydalis cornuta</i> Royle	Fumariaceae	-	H	C	2400-3000
<i>Fumaria indica</i> (Hauskn.) Pugsley	Fumariaceae	-	H	C	1300-2200
<i>Exacum paucisquamum</i> (C.B. Clarke) Klack.	Gentianaceae	-	H	U	1300-1400
<i>Gentiana pedicellata</i> (D. Don) Wall.	Gentianaceae	-	H	C	1300-1700
<i>Halenia elliptica</i> D. Don	Gentianaceae	Chirot	H	U	2400-3000
<i>Swertia angustifolia</i> Buch.-Ham. ex D. Don	Gentianaceae	-	H	U	1300-1500
<i>Swertia cordata</i> (Wall. ex G. Don) C.B. Clarke	Gentianaceae	-	H	U	1900-3000
<i>Swertia tetragona</i> R.H. Miao	Gentianaceae	-	H	U	2300-2800
<i>Swertia ciliata</i> (D. Don ex G. Don) B.L. Burt	Gentianaceae	Sfed-Chirayta	S	C	1300-2100
<i>Geranium mascatense</i> Boiss.	Geraniaceae	-	H	C	1600-2000
<i>Geranium nepalense</i> Sweet	Geraniaceae	-	H	C	1800-2400
<i>Geranium wallichianum</i> D.Don ex Sweet	Geraniaceae	-	H	C	1900-2900
<i>Chirita bifolia</i> D. Don	Gesneriaceae	-	H	U	1300-1400
<i>Chirita pumila</i> D. Don	Gesneriaceae	-	H	U	1300-1400
<i>Corallodiscus lanuginosus</i> (Wall. ex DC.) B.L. Burt	Gesneriaceae	-	H	U	1300-1400
<i>Didymocarpus pedicellatus</i> R. Br.	Gesneriaceae	-	H	U	1300-1400
<i>Deutzia compacta</i> Craib	Hydrangeaceae	Kukhari	S	U	0900-1600
<i>Hypericum elodeoides</i> Choisy	Hypericaceae	-	H	C	1800-2500
<i>Hypericum japonicum</i> Thunb.	Hypericaceae	-	H	U	1900-2300
<i>Hypericum oblongifolium</i> Choisy	Hypericaceae	Chitroi	S	C	1500-1800
<i>Hypericum perforatum</i> L.	Hypericaceae	-	S	C	1000-3000
<i>Engelhardtia spicata</i> Lechen ex Blume	Juglandaceae	Gud-Mahua	T	C	0800-1600
<i>Juglans regia</i> L.	Juglandaceae	Akhrot	T	C	1500-3000
<i>Ajuga parviflora</i> Benth.	Lamiaceae	-	H	C	1300-2200
<i>Clinopodium umbrosum</i> (M. Bieb.) Kuntze	Lamiaceae	-	H	U	1300-1600
<i>Craniotome furcata</i> (Link) Kuntze	Lamiaceae	-	H	U	1300-1800
<i>Elsholtzia ciliata</i> (Thunb.) Hyl.	Lamiaceae	-	H	C	1600-2000
<i>Elsholtzia strobilifera</i> (Benth.) Benth.	Lamiaceae	-	H	U	2500-3000
<i>Isodon japonicus</i> (Burm. f.) H. Hara	Lamiaceae	-	H	C	1700-2200
<i>Isodon lophanthoides</i> (Buch.-Ham. ex D.Don) H. Hara	Lamiaceae	-	H	C	1500-2500
<i>Lamium album</i> L.	Lamiaceae	-	H	U	2400-3000
<i>Lamium amplexicaule</i> L.	Lamiaceae	-	H	U	1400-1700
<i>Leucas lanata</i> Benth.	Lamiaceae	Niras	H	C	1300-2200
<i>Mentha arvensis</i> L.	Lamiaceae	Podin	H	C	1300-1500
<i>Mentha piperita</i> L.	Lamiaceae	-	H	C	1200-2300
<i>Micromeria biflora</i> (Buch.-Ham. ex D. Don) Benth.	Lamiaceae	-	H	U	1300-2500
<i>Origanum vulgare</i> L.	Lamiaceae	Bujeri	H	C	1300-2600
<i>Prunella vulgaris</i> L.	Lamiaceae	-	H	C	1500-2600
<i>Salvia mukerjeei</i> Bennet & Raizada	Lamiaceae	Budain	H	C	1300-2200
<i>Salvia nubicola</i> Wall. ex Sweet	Lamiaceae	-	H	U	2500-3000
<i>Salvia cana</i> Wall. ex Benth.	Lamiaceae	-	H	C	1000-1900
<i>Scutellaria grossa</i> Wall.	Lamiaceae	-	H	C	1600-2000
<i>Scutellaria repens</i> Buch.-Ham. ex D. Don	Lamiaceae	Kappu	H	C	1300-1600
<i>Scutellaria scandens</i> D. Don	Lamiaceae	-	H	C	1500-1900
<i>Stachys melissifolia</i> Benth.	Lamiaceae	-	H	U	2400-2800
<i>Stachys sericea</i> Cav.	Lamiaceae	-	H	U	2400-2700
<i>Teucrium quadrifarium</i> Buch.-Ham.	Lamiaceae	-	H	C	1600-2100
<i>Callicarpa macrophylla</i> Vahl	Lamiaceae	Daya	S	C	0900-1600
<i>Vitex negundo</i> L.	Lamiaceae	Nigundi, Shvali	S	C	0850-1300
<i>Premna latifolia</i> Thwaites	Lamiaceae	Akond	T	C	0700-1500

<i>Colebrookea oppositifolia</i> Sm.	Lauraceae	Kumar	S	C	1200-2800
<i>Cinnamomum tamala</i> (Buch.-Ham.) T.Nees & Eberm.	Lauraceae	Tajpata	T	U	1200-1800
<i>Machilus duthiei</i> King	Lauraceae	Kola	T	C	1200-1800
<i>Neolitsea aciculata</i> (Blume) Koidz.	Lauraceae	Chari	T	C	1200-2500
<i>Neolitsea cuipala</i> (D. Don) Kosterm.	Lauraceae	Kala chari	T	U	1200-2500
<i>Neolitsea pallens</i> (D. Don) Momiy. & H. Hara	Lauraceae	Chari	T	C	1400-2600
<i>Ocotea lancifolia</i> (Schott) Mez	Lauraceae	Kaul	T	C	1200-1800
<i>Persea odoratissima</i> (Nees) Kosterm.	Lauraceae	Koll	T	U	1600-2200
<i>Persea duthiei</i> (King) Kosterm.	Lauraceae	Chari, Kala chari	T	C	1800-2800
<i>Neolitsea umbrosa</i> (Nees) Gamble	Lauraceae	Lampatiya	T	U	1500-2500
<i>Careya arborea</i> Roxb	Lecythidaceae	-	T	C	1600-2000
<i>Reinwardtia indica</i> Dumort.	Linaceae	Phyoli	S	C	1500-2000
<i>Lobelia pyramidalis</i> Wall.	Lobaliaceae	-	H	U	1600-2000
<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	Loranthaceae	Banda	S	C	0800-1700
<i>Taxillus vestitus</i> (Wall.) Danser	Loranthaceae	Banj-Giwain	S	U	1200-1700
<i>Rotala rotundifolia</i> (Buch.-Ham. ex Roxb.) Koehne	Lythraceae	Simariya	H	U	1700-2000
<i>Woodfordia fruticosa</i> (L.) Kurz	Lythraceae	Dhoda	S	C	0900-1500
<i>Lagerstroemia indica</i> L.	Lythraceae	Dhoda	T	C	0800-1600
<i>Lagerstroemia parviflora</i> Roxb.	Lythraceae	Dhoda	T	C	1000-1500
<i>Punica granatum</i> L.	Lythraceae	Dadim	T	C	0900-1500
<i>Malva verticillata</i> L.	Malvaceae	-	H	U	2100-2600
<i>Sida cordifolia</i> L.	Malvaceae	-	H	U	1300-1600
<i>Urena lobata</i> L.	Malvaceae	-	H	U	1300-1900
<i>Sida acuta</i> Burm. f.	Malvaceae	Karoti	S	C	1000-2200
<i>Bombax ceiba</i> L.	Malvaceae	Samal	T	C	0800-1200
<i>Grewia optiva</i> J.R.Drumm. ex Burret	Malvaceae	Bhimal	T	C	1000-2000
<i>Martynia annua</i> L.	Martyniaceae	Bichu	H	U	1300-1400
<i>Sarcopyramis napalensis</i> Wall.	Melastomataceae	-	H	U	2000-2150
<i>Melia azedarach</i> L.	Meliaceae	Bakan	T	C	0700-1400
<i>Toona ciliata</i> M.Roem.	Meliaceae	Tun	T	C	0900-1500
<i>Toona serrata</i> (Royle) M. Roem.	Meliaceae	Darli	T	C	1500-2000
<i>Cissampelos pareira</i> L.	Menispermaceae	Padi	Cl	C	1000-1800
<i>Tinospora cordifolia</i> (Willd.) Miers.	Menispermaceae	Giloy	Cl	U	1200-2500
<i>Cocculus laurifolius</i> DC.	Menispermaceae	Tilfar	T	C	0900-1500
<i>Acacia catechu</i> (L. f.) Willd.	Mimosaceae	Khair	T	C	0800-2000
<i>Acacia dealbata</i> Link	Mimosaceae	Vatal	T	U	0800-1800
<i>Acacia decurrens</i> Willd.	Mimosaceae	Vatal	T	U	0800-1800
<i>Acacia mearnsii</i> De Wild.	Mimosaceae	Vatal	T	U	0800-1800
<i>Ficus sarmentosa</i> Buch.-Ham. ex Sm.	Moraceae	Beduli	S	C	1300-2200
<i>Broussonetia papyrifera</i> (L.) L'Her. ex Vent.	Moraceae	Jangali-Tut	T	U	1800-2600
<i>Ficus ampelas</i> Burm.f.	Moraceae	Banduli	T	C	1800-2200
<i>Ficus auriculata</i> Lour.	Moraceae	Timla	T	C	1200-2200
<i>Ficus benghalensis</i> L.	Moraceae	Bargad	T	C	1000-1900
<i>Ficus hispida</i> L.f.	Moraceae	Ghogsa	T	C	1200-2500
<i>Ficus neriifolia</i> Sm.	Moraceae	Dudhla	T	U	1200-2000
<i>Ficus palmata</i> Forssk.	Moraceae	Badu, Anjir	T	C	1500-2300
<i>Ficus racemosa</i> L.	Moraceae	Timla, Goolar	T	C	1500-1800
<i>Ficus religiosa</i> L.	Moraceae	Pipal	T	C	0600-1600
<i>Ficus rumphii</i> Blume	Moraceae	Gajna	T	C	1200-1700
<i>Ficus semicordata</i> Buch.-Ham. ex Sm.	Moraceae	Khona	T	C	1400-1900
<i>Morus serrata</i> Roxb.	Moraceae	Kimu, Sahtut	T	U	1500-2000
<i>Moringa oleifera</i> Lam.	Moringaceae	Sahjan	T	C	1000-1900
<i>Myrica esculenta</i> Buch.-Ham. ex D. Don	Myricaceae	Kafal	T	C	1300-2200
<i>Myrsine africana</i> L.	Myrsinaceae	Chupada	S	C	0600-2000
<i>Callistemon viminalis</i> (Sol. ex Gaertn.) G.Don	Myrtaceae	Botal-Brush	T	C	0800-1800
<i>Eucalyptus globulus</i> Labill.	Myrtaceae	Eukaliptus	T	C	0800-1800
<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	Jamun	T	C	1000-1800
<i>Boerhavia diffusa</i> L.	Nyctaginaceae	Pundera	H	C	1300-1500
<i>Mirabilis jalapa</i> L.	Nyctaginaceae	-	H	C	1300-1600
<i>Jasminum arborescens</i> Roxb.	Oleaceae	Chamali	S	C	1500-2800
<i>Jasminum multiflorum</i> (Burm.f.) Andrews	Oleaceae	Chamali	S	C	1200-2500
<i>Nyctanthes arbor-tristis</i> L.	Oleaceae	Harshingha	T	C	1600-2500
<i>Osmanthus fragrans</i> Lour.	Oleaceae	Silangi	T	U	1500-2100
<i>Fraxinus micrantha</i> Lingelsh.	Oleaceae	Angu	T	U	1800-2400
<i>Circaea alpina</i> L.	Onagraceae	-	H	U	1800-2000
<i>Epilobium hirsutum</i> L.	Onagraceae	-	H	U	1400-1700
<i>Epilobium royleanum</i> Hausskn.	Onagraceae	-	H	C	1500-2500
<i>Oenothera rosea</i> L'Her. ex Aiton	Onagraceae	-	H	C	1300-2000

<i>Habenaria intermedia</i> D.Don	Orchidaceae	Ridhi-Bridhi	H	C	2000-2400
<i>Lepanthes dodiana</i> Stimson	Orchidaceae	Kumkum	T	U	0900-1200
<i>Pedicularis bifida</i> (Buch.-Ham.) Pennell	Orobanchaceae	-	H	C	1600-2100
<i>Pedicularis gracilis</i> Wall. ex Benth.	Orobanchaceae	-	H	C	2500-2800
<i>Pedicularis hoffmeisteri</i> Klotzsch	Orobanchaceae	-	H	U	2500-2700
<i>Oxalis corniculata</i> L.	Oxalidaceae	Bhilmori	H	C	1300-2200
<i>Oxalis latifolia</i> Kunth	Oxalidaceae	-	H	C	1400-2000
<i>Oxalis corniculata</i> L.	Oxalidaceae	Khati buti	H	C	1300-2200
<i>Poeonia emodi</i> Wall ex. Royle	Paeoniaceae	Chandra	H	C	2500-2900
<i>Eurya acuminata</i> DC.	Pentafhyllaceae	Chopari	T	C	1800-2500
<i>Phryma leptostachya</i> L.	Phrymaceae	-	H	U	1600-2000
<i>Glochidion heyneanum</i> (Wight & Arn.) Wight	Phyllanthaceae	Chamri	T	U	2000-1800
<i>Embllica officinalis</i> Gaertn.	Phyllanthaceae	Anwla	T	C	1000-1600
<i>Abies pindrow</i> (Royle ex D. Don) Royle	Pinaceae	Silver Fir, Ragi	T	C	2200-3000
<i>Cedrus deodara</i> (Roxb. ex D.Don) G.Don	Pinaceae	Devdar, Diwar	T	U	1500-2800
<i>Picea smithiana</i> (Wall.) Boiss.	Pinaceae	Ragi, Sprus	T	U	2800-3000
<i>Pinus wallichiana</i> A.B.Jacks.	Pinaceae	Nela-kulyon	T	U	1500-2200
<i>Pinus roxburghii</i> Sarg.	Pinaceae	Kulyon, Chir	T	C	1300-2100
<i>Peperomia heyneana</i> Miq.	Piperaceae	-	H	U	1300-1400
<i>Peperomia tetraphylla</i> (G. Forst.) Hook. & Arn.	Piperaceae	-	H	C	1300-2000
<i>Piper mullesua</i> Buch.-Ham. ex D. Don	Piperaceae	-	H	U	1300-1400
<i>Peperomia schizandra</i> Trel.	Piperaceae	Agali	S	U	1200-2500
<i>Plantago erosa</i> Wall.	Plantaginaceae	-	H	U	1400-2000
<i>Plumbago zeylanica</i> L.	Plumbaginaceae	-	H	U	1400-1800
<i>Arundinella pumila</i> (Hochst.) Steud.	Poaceae	Murkiya, Puliri	H	U	1000-1800
<i>Arundinella setosa</i> Trin.	Poaceae	Nal	H	U	1300-2500
<i>Arundo donax</i> L.	Poaceae	-	H	C	1500-1800
<i>Bothriochloa bladhii</i> (Retz.) S.T.Blake	Poaceae	Gariya	H	U	1200-1800
<i>Chrysopogon fulvus</i> (Spreng.) Chiov.	Poaceae	Kush	H	C	1000-1800
<i>Chrysopogon gryllus</i> (L.) Trin.	Poaceae	Babla	H	C	0800-1200
<i>Cynodon dactylon</i> (L.) Pers.	Poaceae	Dublu	H	C	1800-2500
<i>Diandranthus nepalensis</i> (Trin.) L.Liou	Poaceae	-	H	U	1200-1700
<i>Pennisetum purpureum</i> Schumach.	Poaceae	Nepiyar-Ghas, Eliphant-Ghas	H	U	1000-1800
<i>Saccharum spontaneum</i> L.	Poaceae	Kans	H	U	1300-1500
<i>Dendrocalamus strictus</i> (Roxb.) Nees	Poaceae	Ringal	S	U	1500-2500
<i>Sinarundinaria falcata</i> (Nees) C.S.Chao & Renvoize	Poaceae	Gad ringal	S	C	1800-2600
<i>Apluda mutica</i> L.	Poaceae	Tachla	H	C	0700-1300
<i>Arundinella nepalensis</i> Trin.	Poaceae	Syunya	H	C	1500-2500
<i>Dactylis glomerata</i> L.	Poaceae	Auchard-Ghass	H	C	1000-1800
<i>Sinarundinaria anceps</i> (Mitford) C.S.Chao & Renvoize	Poaceae	Ghas-Ringal	S	U	2100-2700
<i>Thamnocalamus falconeri</i> Hook.f. ex Munro	Poaceae	Dev-Ringal	S	U	2400-2700
<i>Thamnocalamus spathiflorus</i> (Trin.) Munro	Poaceae	Tham-Ringal	S	U	2500-3400
<i>Polygala crotalarioides</i> Buch.-Ham. ex DC.	Polygalaceae	-	H	U	1600-2200
<i>Polygala hottentotta</i> C. Presl	Polygalaceae	-	H	U	1300-2500
<i>Bistorta amplexicaulis</i> (D.Don) Greene	Polygonaceae	-	H	C	2400-2800
<i>Fagopyrum acutatum</i> (Lehm.) Mansf. ex K.Hammer	Polygonaceae	Kandeya	H	C	1300-2200
<i>Persicaria amplexicaulis</i> D. Don Ronse Decr.	Polygonaceae	Totiya	H	C	2000-3000
<i>Persicaria capitata</i> (Buch.-Ham. ex D. Don) H. Gross	Polygonaceae	-	H	C	1400-1900
<i>Persicaria chinensis</i> (L.) H. Gross	Polygonaceae	-	H	U	1800-2000
<i>Persicaria nepalensis</i> (Meisn.) Miyabe	Polygonaceae	-	H	C	1600-2200
<i>Polygonum filicaule</i> Wall. ex Meisn.	Polygonaceae	-	H	U	2000-2500
<i>Polygonum plebeium</i> R. Br.	Polygonaceae	-	H	C	1400-2100
<i>Polygonum pubescens</i> Blume	Polygonaceae	Marchiya	H	C	1500-2100
<i>Polygonum recumbens</i> Royle ex Bab.	Polygonaceae	-	H	C	1400-2000
<i>Polygonum simlense</i> Royle ex Bab.	Polygonaceae	Marchiya	H	U	1400-2000
<i>Rheum webbianum</i> Royle	Polygonaceae	Koot	H	U	2700-3000
<i>Rumex nepalensis</i> Sprengel	Polygonaceae	Khoya	H	C	1300-3000
<i>Rumex hastatus</i> D. Don	Polygonaceae	Almod	S	C	1000-2000
<i>Portulaca oleracea</i> L.	Portulacaceae	Luniya	H	U	1300-1600
<i>Anagallis arvensis</i> L.	Primulaceae	Jonkmari	H	C	1300-2200
<i>Androsace lanuginosa</i> Wall.	Primulaceae	-	H	U	1700-2000
<i>Lysimachia alternifolia</i> Wall.	Primulaceae	-	H	C	1400-1700
<i>Lysimachia prolifera</i> Klatt	Primulaceae	-	H	C	2500-3000
<i>Lysimachia pyramidalis</i> Wall.	Primulaceae	-	H	C	1400-2100
<i>Primula atrodentata</i> W.W. Sm.	Primulaceae	-	H	C	2800-3000
<i>Primula denticulata</i> Sm.	Primulaceae	-	H	C	2500-3000
<i>Grevillea robusta</i> A.Cunn. ex R.Br.	Proteaceae	Silver-Oak	T	C	1100-2000

<i>Clematis montana</i> D.Don	Ranunculaceae	Malkon	Cl	C	1000-1800
<i>Actaea spicata</i> L.	Ranunculaceae	-	H	U	2400-2700
<i>Anemone obtusiloba</i> D. Don	Ranunculaceae	-	H	U	1900-2300
<i>Anemone rivularis</i> Buch.-Ham. ex DC.	Ranunculaceae	-	H	U	2200-2800
<i>Anemone vitifolia</i> Buch.-Ham. ex DC.	Ranunculaceae	-	H	U	2200-2500
<i>Aquilegia pubiflora</i> Wall. ex Royle	Ranunculaceae	-	H	C	2400-3000
<i>Caltha palustris</i> L.	Ranunculaceae	-	H	U	2800-3000
<i>Delphinium denudatum</i> Wall. ex Hook.f. & Thomson	Ranunculaceae	-	H	C	1900-2900
<i>Eriocapitella japonica</i> (Thunb.) Nakai	Ranunculaceae	-	H	C	1200-2200
<i>Ranunculus cantoniensis</i> DC.	Ranunculaceae	Kanjiya	H	C	1500-1900
<i>Ranunculus diffusus</i> DC.	Ranunculaceae	-	H	C	1800-2000
<i>Ranunculus distans</i> Royle	Ranunculaceae	-	H	U	1500-2300
<i>Ranunculus brevirostris</i> Edgew.	Ranunculaceae	-	H	C	1000-2200
<i>Thalictrum foliolosum</i> DC.	Ranunculaceae	-	H	C	1300-2300
<i>Thalictrum saniculiforme</i> DC.	Ranunculaceae	-	H	U	1300-2000
<i>Aconitum balfourii</i> Stapf	Ranunculaceae	Meetha, Vish	S	U	2500-3000
<i>Croton triqueter</i> Lam.	Rhamnaceae	-	S	C	1000-2400
<i>Rhamnus procumbens</i> Edgew.	Rhamnaceae	-	S	C	1600-2400
<i>Rhamnus purpurea</i> Edgew.	Rhamnaceae	Luis	S	C	1000-2400
<i>Ziziphus oxyphylla</i> Edgew.	Rhamnaceae	Kathbar, Bar	S	C	1200-1800
<i>Ziziphus mauritiana</i> Lam.	Rhamnaceae	Baer	T	C	1400-2100
<i>Duchesnea indica</i> (Andrews) Focke	Rosaceae	Gankafaw	Cl	C	1400-2100
<i>Rosa brunonii</i> Lindl.	Rosaceae	Jungli glulab	Cl	C	1000-2800
<i>Rubus paniculatus</i> Sm.	Rosaceae	-	Cl	C	1200-2500
<i>Agrimonia pilosa</i> Ledeb.	Rosaceae	-	H	C	1400-2400
<i>Fragaria nubicola</i> (Hook.f.) Lindl. ex Lacaita	Rosaceae	-	H	C	2400-3000
<i>Geum roylei</i> Wall. & F. Bolle	Rosaceae	-	H	U	2500-2800
<i>Potentilla gerardiana</i> Lindl. ex Lehm.	Rosaceae	-	H	U	1300-1500
<i>Potentilla lineata</i> Trevir.	Rosaceae	-	H	U	1800-2800
<i>Potentilla sundaica</i> (Blume) Kuntze	Rosaceae	Gankafaw	H	U	1600-2200
<i>Rubus biflorus</i> Buch.-Ham. ex Sm.	Rosaceae	-	H	U	2000-2300
<i>Rubus wallichianus</i> Wight & Arn.	Rosaceae	-	H	C	1700-2300
<i>Sibbaldia micropetala</i> (D. Don) Hand.-Mazz.	Rosaceae	-	H	U	2500-3000
<i>Sibbaldia parviflora</i> Will.	Rosaceae	-	H	U	2600-3000
<i>Cotoneaster acuminatus</i> Wall. ex Lindl.	Rosaceae	Chmrush	S	C	1200-1800
<i>Cotoneaster bacillaris</i> Wall. ex Lindl.	Rosaceae	Ruish	S	C	1200-1900
<i>Cotoneaster microphyllus</i> Wall. ex Lindl.	Rosaceae	Bhinw ghiquar	S	C	1600-3000
<i>Potentilla fulgens</i> var. <i>macrophylla</i> Cardot	Rosaceae	Bajrdanti	S	C	1200-3000
<i>Potentilla nepalensis</i> Hook.	Rosaceae	-	S	C	1200-3000
<i>Prinsepia utilis</i> Royle	Rosaceae	Bhakul	S	C	1400-2200
<i>Pyracantha crenulata</i> (Roxb. ex D.Don) M.Roem.	Rosaceae	Ghiquar	S	C	1300-2200
<i>Rosa sericea</i> Wall. ex Lindl.	Rosaceae	Dharkunj	S	C	2500-3000
<i>Rubus ellipticus</i> Sm.	Rosaceae	Hishar	S	C	1300-2100
<i>Rubus foliolosus</i> D.Don	Rosaceae	Kanda	S	C	1800-2400
<i>Rubus niveus</i> Thunb.	Rosaceae	Anchu	S	C	1300-2300
<i>Sorbaria tomentosa</i> (Lindl.) Rehder	Rosaceae	Bhiloka	S	U	1200-1900
<i>Spiraea canescens</i> D.Don	Rosaceae	Katmathyal	S	C	1300-2200
<i>Prunus armeniaca</i> L.	Rosaceae	Khubani	T	C	1200-1900
<i>Prunus cerasoides</i> auct.	Rosaceae	Panya	T	C	1400-2400
<i>Prunus cornuta</i> (Wall. ex Royle) Steud.	Rosaceae	Jamnoi	T	C	1700-2900
<i>Prunus domestica</i> L.	Rosaceae	Alu-Bukhara	T	C	0750-1500
<i>Prunus persica</i> (L.) Batsch	Rosaceae	Aadu	T	C	0900-2400
<i>Prunus venosa</i> Koehne	Rosaceae	-	T	U	0900-2400
<i>Pyrus communis</i> auct. iber.	Rosaceae	Jungali-Naspati	T	C	1100-1900
<i>Pyrus nussia</i> Buch.-Ham. ex D.Don	Rosaceae	Gadhmalu	T	U	2400-2800
<i>Pyrus pashia</i> Buch.-Ham. ex D.Don	Rosaceae	Malu	T	C	1300-2800
<i>Argostemma verticillatum</i> Wall.	Rubiaceae	-	H	U	1600-2000
<i>Galium aparine</i> L.	Rubiaceae	-	H	C	1300-1500
<i>Galium asperifolium</i> Wall.	Rubiaceae	-	H	C	1300-2200
<i>Galium elegans</i> Wall. ex Roxb.	Rubiaceae	-	H	C	1800-2400
<i>Neanotis hirsuta</i> (L. f.) W.H. Lewis	Rubiaceae	-	H	U	1600-2000
<i>Spermadictyon suaveolens</i> Roxb.	Rubiaceae	Padera	H	C	1300-2500
<i>Himalrandia tetrasperma</i> (Wall. ex Roxb.) T.Yamaz.	Rubiaceae	Gad-Ghingaru	S	C	1300-2300
<i>Leptodermis lanceolata</i> Wall.	Rubiaceae	Padera	S	C	1000-2500
<i>Haldina cordifolia</i> (Roxb.) Ridsdale	Rubiaceae	Haldu	T	U	0700-1200
<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Rubiaceae	Fhaldu	T	C	1700-2500
<i>Hymenodictyon orixense</i> (Roxb.) Mabb.	Rubiaceae	Barang	T	C	1300-2500
<i>Boeninghausenia albiflora</i> (Hook.) Rchb. ex Meisn.	Rutaceae	Upaniya-Ghas	H	C	1300-2300

<i>Glycosmis pentaphylla</i> (Retz.) DC.	Rutaceae	Bn-Neembu	S	C	1000-2300
<i>Murraya koenigii</i> (L.) Spreng.	Rutaceae	Kari-Patta	S	C	1100-2100
<i>Murraya paniculata</i> (L.) Jack	Rutaceae	Kammini	S	U	0800-1400
<i>Zanthoxylum armatum</i> DC.	Rutaceae	Timru	S	C	0900-2000
<i>Aegle marmelos</i> (L.) Corrêa	Rutaceae	Balepatr	T	C	1200-2200
<i>Citrus medica</i> L.	Rutaceae	Narangi	T	C	0900-1500
<i>Parinari dillenifolia</i> R.Br. ex Wall.	Sabiaceae	Akhodi	T	U	1500-2200
<i>Flacourtia indica</i> (Burm.f.) Merr.	Salicaceae	Bilangra	T	C	1000-1600
<i>Populus ciliata</i> Wall. ex Royle	Salicaceae	Ban-Pipal	T	U	1500-2500
<i>Salix acutifolia</i> Willd.	Salicaceae	Bash, Broi	T	C	1000-2400
<i>Salix disperma</i> Roxb. ex D.Don.	Salicaceae	Gadmish	T	U	1500-2500
<i>Salix wallichiana</i> Andersson	Salicaceae	Ruiss	T	U	1700-2600
<i>Casearia tomentosa</i> Roxb.	Salicaceae	Chela	T	C	0900-1500
<i>Osyris wightiana</i> Wall. ex Wight	Santalaceae	Dalmi	S	U	1000-1600
<i>Viscum album</i> L.	Santalaceae	Van-Bnda	S	C	1000-2100
<i>Viscum articulatum</i> Burm. f.	Santalaceae	Budu	S	U	1200-1900
<i>Dodonaea viscosa</i> (L.) Jacq.	Sapindaceae	Vilayati-Mehandi	S	C	0900-1600
<i>Acer acuminatum</i> Wall. ex D. Don	Sapindaceae	Mapal	T	C	2400-3000
<i>Acer cappadocicum</i> Gled.	Sapindaceae	Papadi	T	U	1500-2500
<i>Aesculus indica</i> (Wall. ex Cambess.) Hook.	Sapindaceae	Pangar	T	C	1500-2500
<i>Schleichera oleosa</i> (Lour.) Merr.	Sapindaceae	Kushum	T	U	1200-1900
<i>Sapindus mukorossi</i> Gaertn.	Sapindaceae	Ritha	T	C	0800-1100
<i>Houttuynia cordata</i> Thunb.	Saururaceae	-	H	C	1300-2100
<i>Meliosma simplicifolia</i> (Roxb.) Walp.	Saviaceae	Gugua	T	C	1300-2200
<i>Bergenia ciliata</i> (Haw.) Sternb.	Saxifragaceae	Silpair	H	C	1300-2700
<i>Bergenia ligulata</i> Engl.	Saxifragaceae	Silphara-phool	H	C	1300-2700
<i>Parnassia nubicola</i> Wall. ex Royle	Saxifragaceae	Phutkya	H	C	1900-3000
<i>Saxifraga diversifolia</i> Wall. ex Ser.	Saxifragaceae	-	H	U	2500-3000
<i>Saxifraga parnassifolia</i> D. Don	Saxifragaceae	-	H	U	2500-2800
<i>Hemiphragma heterophyllum</i> Wall.	Scrophulariaceae	-	H	U	2100-2500
<i>Kickxia ramosissima</i> (Wall.) Janch.	Scrophulariaceae	-	H	U	1400-2000
<i>Lindenbergia grandiflora</i> (Buch.-Ham. ex D. Don) Benth.	Scrophulariaceae	-	H	U	1400-1600
<i>Lindenbergia indica</i> Vatke	Scrophulariaceae	-	H	U	1400-1600
<i>Lindenbergia macrostachya</i> Benth.	Scrophulariaceae	-	H	U	1300-1600
<i>Lindernia antipoda</i> (L.) Alston	Scrophulariaceae	-	H	C	1700-1900
<i>Lindernia nummularifolia</i> (D. Don) Wettst.	Scrophulariaceae	-	H	C	1400-2000
<i>Mazus surculosus</i> D. Don	Scrophulariaceae	-	H	C	1400-2000
<i>Misopates orontium</i> (L.) Raf.	Scrophulariaceae	-	H	C	1500-1900
<i>Scrophularia himalensis</i> Royle ex Benth.	Scrophulariaceae	-	H	C	2300-2700
<i>Striga angustifolia</i> (D. Don) C.J. Saldanha	Scrophulariaceae	-	H	U	1300-1500
<i>Torenia cordifolia</i> Roxb.	Scrophulariaceae	-	H	U	1300-1400
<i>Verbascum chinense</i> (L.) Santapau	Scrophulariaceae	-	H	U	1300-1400
<i>Verbascum thapsus</i> L.	Scrophulariaceae	Eklvir	H	C	1300-2100
<i>Veronica cana</i> Wall. ex Benth	Scrophulariaceae	-	H	U	2500-2900
<i>Wulfeniopsis amherstiana</i> (Benth.) D.Y. Hong	Scrophulariaceae	-	H	C	2500-3000
<i>Smilax glaucophylla</i> Klotzsch	Smilacaceae	Kukardad	Cl	C	1200-2400
<i>Nicandra physalodes</i> (L.) Gaertn.	Solanaceae	Dhatur	H	U	1300-2000
<i>Physalis heterophylla</i> Nees	Solanaceae	Dhatur	H	C	1700-1900
<i>Physalis minima</i> L.	Solanaceae	-	H	U	1300-1500
<i>Physalis peruviana</i> L.	Solanaceae	-	H	U	1400-1900
<i>Solanum nigrum</i> L.	Solanaceae	Makoi	H	C	1200-2300
<i>Solanum surattense</i> Burm. f.	Solanaceae	-	H	C	1300-1500
<i>Cestrum parqui</i> Benth.	Solanaceae	Ratki-Rani	S	C	1000-1700
<i>Datura metel</i> L.	Solanaceae	Dhatura	S	C	1200-1700
<i>Datura stramonium</i> Thunb.	Solanaceae	Dharura	S	C	0900-1600
<i>Symplocos paniculata</i> (Thunb.) Miq.	Symplocaceae	Lodh	T	C	1300-2600
<i>Symplocos cochinchinensis</i> (Lour.) S. Moore	Symplocaceae	-	T	U	0800-1500
<i>Symplocos sumuntia</i> Buch.-Ham. ex D. Don	Symplocaceae	Lodh	T	C	1200-2500
<i>Taxus wallichiana</i> Zucc.	Taxaceae	Thunar	T	U	2500-3000
<i>Taxus baccata</i> L.	Taxaceae	Thunar	T	U	1800-2800
<i>Wikstroemia canescens</i> Wall. ex Meisn.	Thymelaeaceae	Chamliya	S	U	1500-2500
<i>Daphne papyracea</i> Wall. ex G. Don	Thymelaeaceae	Pirul	S	C	1300-2800
<i>Corchorus aestuans</i> L.	Tiliaceae	-	H	U	1400-1700
<i>Triumfetta annua</i> L.	Tiliaceae	-	H	U	1400-1600
<i>Ulmus wallichiana</i> Planch.	Ulmaceae	Cmrmowa	T	U	1700-2100
<i>Elatostema sessile</i> J.R. Forst. & G. Forst	Urticaceae	-	H	U	2300-2700
<i>Girardinia diversifolia</i> (Link) Friis	Urticaceae	Bhaiskandayi	H	C	1500-2300
<i>Lecanthus peduncularis</i> (Wall. ex Royle) Wedd.	Urticaceae	-	H	C	1600-2500

<i>Pilea scripta</i> (Buch.-Ham. ex D. Don) Wedd.	Urticaceae	-	H	C	1300-1800
<i>Pilea umbrosa</i> Blume	Urticaceae	-	H	C	1600-2500
<i>Pouzolzia zeylanica</i> (L.) Benn. & R. Br.	Urticaceae	-	H	C	1400-2000
<i>Urtica dioica</i> L.	Urticaceae	Kandai	H	C	1300-2500
<i>Urtica ardens</i> Link	Urticaceae	-	S	U	1200-2500
<i>Boehmeria rugulosa</i> Wedd.	Urticaceae	Gonthi	T	C	0800-1600
<i>Lantana camara</i> L.	Verbiniaceac	Kuri	S	C	1100-2500
<i>Viola biflora</i> L.	Violaceae	-	H	C	2400-3000
<i>Viola pilosa</i> Blume	Violaceae	Bansfa	H	C	2100-3000
<i>Viola canescens</i> Wall.	Violaceae	Banapsha	S	C	1200-2000
<i>Ampelocissus latifolia</i> (Roxb.) Planch.	Vitaceae	Bhinora	S	C	1500-2100
<i>Parthenocissus semicordata</i> (Wall.) Planch.	Vitaceae	-	S	C	1300-2100
<i>Hedychium spicatum</i> Sm.	Zingiberaceae	Kapoor-Kachari	S	U	1000-2800

Abbreviations used: H = Herb, S = Shrub, T = Tree, Cl = Climber, C = Common, U = Uncommon.

Table 2: Dominant Families of Angiosperm from the Study Area

S. no	Family	Genera	Species
1	Asteraceae	43	67
2	Fabaceae	23	41
3	Rosaceae	15	35
4	Lamiaceae	18	27
5	Poaceae	14	18
6	Scrophulariaceae	12	16
7	Ranunculaceae	10	16
8	Polygalaceae	7	16
9	Apiaceae	10	15
10	Moraceae	3	13
11	Rubiaceae	9	11

Table 3: 10 Dominant Genera of Angiosperm

S. no	Genus	Species
1	Ficus	11
2	Viburnum	7
3	Rubus	6
4	Prunus	6
5	Impatiens	6
6	Potentilla	5
7	Polygonum	5
8	Euphorbia	5
9	Desmodium	5
10	Berberis	5

Table 4: Percentage Contribution of Angiosperm and Gymnosperm

Taxon	Angiosperms	%	Gymnosperms	%
Family	116	98.4	2	1.7
Genera	395	98.7	5	1.2
Species	600	99.0	6	1.0

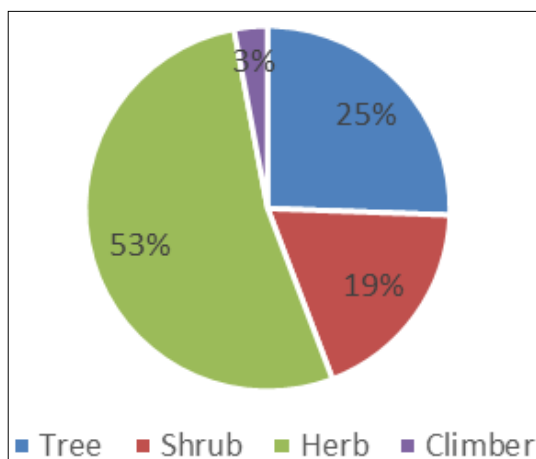


Fig 2: Percentage Contribution of Growth Form

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