

Floristic inventory and diversity assessment and its socio-economic importance in outer Seraj region of district Kullu, Himachal Pradesh

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ABSTRACT

The present study was conducted to find out the floristic diversity in outer Seraj region of Kullu district of Himachal Pradesh. A total of 931 species of vascular plants belonging to 142 families of 605 genera were recorded. Out of these, 913 species were angiosperms, 12 gymnosperms, 5 pteridophytes and 1 species belonging to thallophyte. In the recorded floristic diversity, 851 species were found socio-economically important. The most represented family among dicotyledons was Asteraceae followed by Fabaceae, Lamiaceae, Apiaceae, Rosaceae, Brassicaceae, Apocynaceae, Amaranthaceae, Polygonaceae and Ranunculaceae. On the other hand, among the Monocotyledons, the most predominant family was Poaceae followed by Orchidaceae, Asparagaceae, Liliaceae and Araceae. Among the recorded species, *Artemisia* and *Ficus* were the species-rich genera followed by *Euphorbia*, *Impatiens*, *Lonicera*, *Persicaria*, *Potentilla*, *Swertia*, *Rosa* and *Berberis*. The prevention of cattle grazing, restricted extraction of wood and controlling the burning may help in the conservation and management of biodiversity and, in addition, also meeting the basic needs of population living in this region.

Keywords: Vascular plants; floristic composition; diversity; conservation; socio-economic importance

INTRODUCTION

The Indian Himalayan region is characterized by its unique ecosystem with a wide range of climate and habitat types which supports different flora and fauna. The Indian Himalaya ranges from wettest (northeast India) to the driest (Jammu and Kashmir and Ladakh union territories) regions. The floral wealth of this region comprises 18,440 species of plants of which 1,748 species are medicinal plants, 675 wild edibles, 155 plants of sacred belief, 118 essential oil yielding medicinal plants and 279 fodder plants (Samant and Dhar 1997, Samant and Pant 2003, Samant and Palni 2000).

The sub-tropical and temperate regions are densely populated and the inhabitants are largely dependent on the natural resources for their sustenance in the form of food, shelter, medicines, fibre, energy and cultural artefacts. With increasing population, there is great demand for economically important species.

Along with this, changing climatic conditions are also leading to gradual shift of the plant species and affecting flowering/fruitlet pattern. Various anthropogenic activities, particularly unsustainable harvesting, grazing, over-exploitation, invasive plants, forest fire, diseases etc are also affecting floristic diversity. Thus in situ and ex situ conservation is basic complementary strategy for conservation of biodiversity. Floristic diversity assessment and documentation are the first step ahead before the next step of conservation of these biological resources.

Floristic composition is considered to be as one of the key features of any community as it helps in assessing the actual species diversity. *Floristic* surveys are concerned with an assessment and documentation of species composition of vegetation found within a specific geographical area. Floristic investigations provide reliable information about the nomenclature, distribution, composition and environmental relationship of plant communities and utility of various plant species.

Beside this, in the recent years, interest in herbal medicines has increased considerably worldwide as they are believed to be comparatively less toxic than the synthetics. If efforts are not made with immediate effect, the rich traditional knowledge possessed by our villagers will diminish. Subsequently, there is a vital need to identify our natural wealth, document it and raise awareness about its utility.

In Indian Himalayan region studies on flora and ecology have been carried out by many workers (Kapur and Sarin 1990, Naithani 1990, Khullar et al 1991, Singh and Singh 1992, Aswal and Mehrotra 1994, Dhaliwal and Sharma 1999, Samant et al 1998a, Singh and Rawat 2000, Singh et al 2002, Kaur and Sharma 2004, Rawat and Adhikari 2005, Singh and Sharma 2006, Pant and Samant 2012, Samant et al 2007a, Rana 2007, Sharma 2008, Sakshi 2009, Singh and Sharma 2009, Rana and Samant 2009, Lal and Samant 2010, Bharti et al 2011, Barman et al 2021, Dasila et al 2021, Paul et al 2019, Lal and Samant 2019). In Himachal Pradesh, the floristic and the vegetation are broadly known through a number of studies (Chauhan 1988, 1989, 1996, 1999, Gaur and Singh 1993, Samant et al 1998b, 2007a, 2007b, Rawat and Vishvakarma 2010, Jishtu 2005, Barman et al 2021) and rarely on ecology, nativity, endemism, threat categorization and prioritization (Rana and Samant 2011, Thaplyal et al 2012, Rana and Samant 2010, Samant et al 2011, Sharma et al 2011, Pant and Samant 2012, Verma 2015). As a result, about 3,500 species of higher plants have been identified in the state flora.

Therefore, field surveys for floristic assessment are highly desirable to keep abreast of the current status of biodiversity in different areas. The data generated through floristic studies will be useful in the identification of plants of conservation importance. Socio-economic studies coupled with floristic investigations will be helpful in strengthening relationship between people and plants.

METHODOLOGY

Study area (Fig 1)

Kullu, one of the twelve districts of Himachal Pradesh, is encircled by lofty mountains and deep gorges supporting diverse vegetation. This valley of Gods is situated between 31° 58' 00" N latitude and 77° 06' 04" E longitude, covering an area of 5,503 km² and elevation ranging from 800 to 6,000 m amsl. It stretches

from Rampur in the south to the Rohtang pass in the north and is bounded on the northeast by Lahaul and Spiti district, on the southeast by Kinnaur district, on the south by Shimla district, on the southwest and west by Mandi district and on the northwest by Kangra district. The district consists of five blocks namely Kullu, Anni, Banjar, Naggar and Nirmand. Nirmand and Anni blocks together are popularly known as outer Seraj area. It is located between latitude 31° 39' 32" N and 31° 20' 40" N longitude 77° 41' 22" E and 77° 23' 12" E and elevation ranging from 738 to 5,227 m amsl. The outer Seraj forests consist of three ranges viz Arsu, Chowai and Nither. The vast wealth of natural vegetation, fertile soil, forests, pastures and snow-clad mountain peaks of these areas have led people to be farmers primarily. The climate of the area mainly consists of three different seasons viz summer (mid-April to mid-June), rainy (mid-June to September) and winter (October-March).

Floristic inventorization (qualitative and quantitative)

The baseline of floristic inventory from data collection to processing was carried out by qualitative and quantitative assessment. For the qualitative assessment of the floristic diversity, rapid sampling of the species was done. An extensive survey was conducted in the representative site during March 2021 to September 2024 covering all seasons in three transects along the altitudinal gradient from 800-3,200 m amsl. Further, for the quantitative assessment, plants encountered in ecological sampling (quadrats and plots) were included in the overall list of the floristic record.

From each habitat, site and aspect, samples of each species were collected and identified with the help of published flora (Nair 1977, Polunin and Stainton 1984, Dhaliwal and Sharma 1999, Aswal and Mehrotra 1994, Brandis 1906, Hooker 1845, Chowdhery and Wadhwa 1984, Naithani 1990, Singh and Rawat 2000).

Observations were taken with respect to habit, habitat, altitudinal range etc of the plant species. For the nomenclature of the species like updated botanical names and other details, online websites were consulted viz Tropicos, The Plant List, eFlora of India, eFlora of Pakistan, eFlora of China and Plants of the World. Information on habit, altitude zones etc was taken and list of species was updated. Species were compiled and analysed for various parameters (Samant et al 1998a).

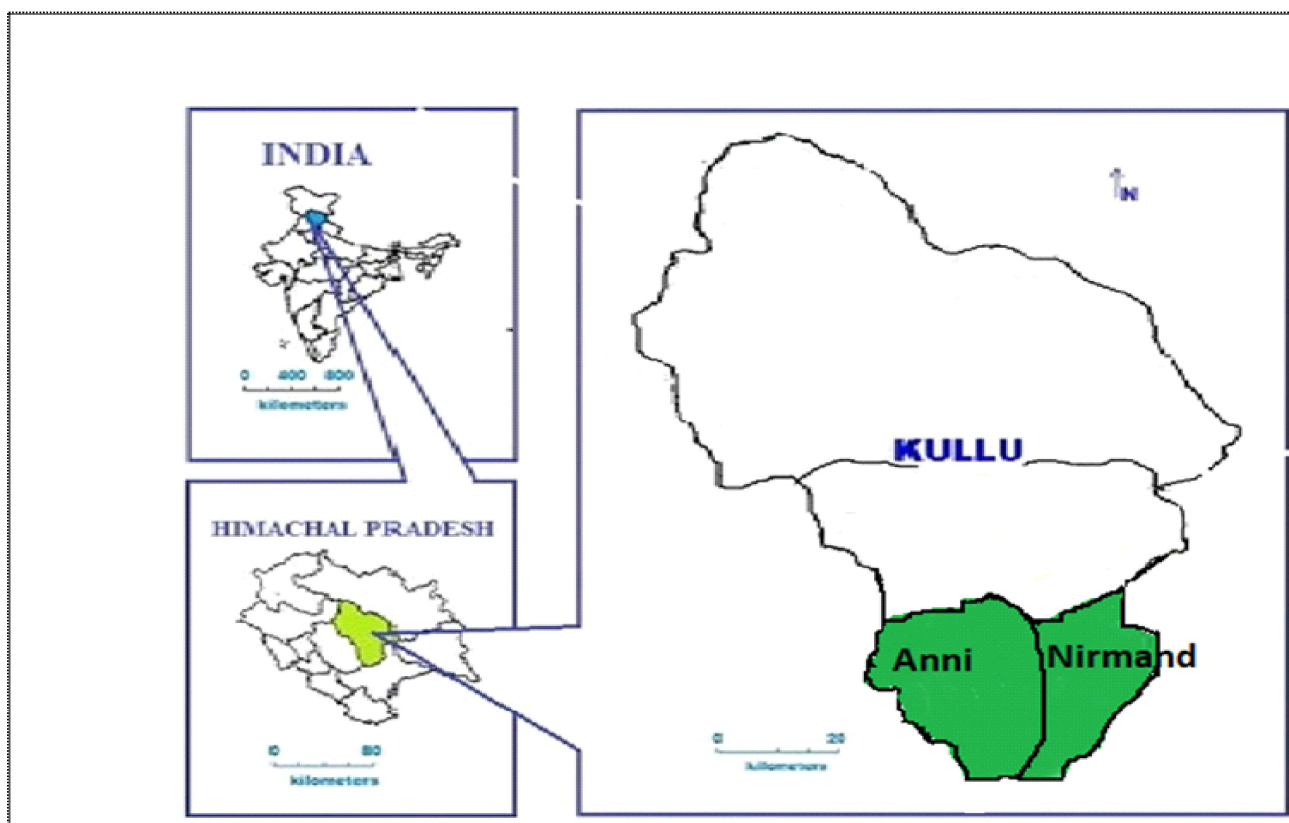


Fig 1. Map of outer Seraj region depicting study area

RESULTS and DISCUSSION

A total of 931 species of vascular plants belonging to 142 families of 605 genera were recorded (Table 1). Out of these, 913 species were angiosperms [782 (85.65%) species of dicotyledons and 131 (14.35%) species of monocotyledons] (Table 2), 12 were gymnosperms, 5 pteridophytes and 1 species belonging to thallophyte (Table 1). As per the type of growth form, 12.24 per cent were trees, 16.54 per cent shrubs, 65.20 per cent herbs and 6.02 per cent climbers (Fig 2). The most represented family among dicotyledons was Asteraceae (74 genera, 111 species) followed by fabaceae (44 genera, 67 species), Lamiaceae (28 genera, 52 species), Apiaceae (19 genera, 28 species), Rosaceae (15 genera, 37 species), Brassicaceae (14 genera, 14 species) Apocynaceae (11 genera, 14 species), Amaranthaceae (10 genera, 15 species), Polygonaceae (9 genera, 21 species) and Ranunculaceae (8 genera, 18 species) as depicted in Table 3.

Among the monocotyledons, the most predominant family was Poaceae (43 genera, 61 species) followed by Orchidaceae (12 genera, 16

species), Asparagaceae (4 genera, 9 species), Liliaceae (6 genera, 7 species) and Araceae (4 genera, 7 species) (Table 4).

Among the recorded species, *Artemisia* and *Ficus* (8 species each) were the species rich genera followed by *Euphorbia*, *Impatiens*, *Lonicera*, *Persicaria*, *Potentilla*, *Swertia* and *Rosa* (6 species each) and *Berberis* (5 species) (Table 5).

The recorded flora of 851 vascular plants showed their socio-economic importance. Most of the plants recorded were of medicinal and aromatic importance (626 species, 73.56%) followed by edible plants (102 species, 11.99%), fodder (74 species, 8.69%), timber (27 species, 3.17%) and fuelwood (22 species, 2.59%) (Table 6). The details of 931 species of vascular plants recorded in the study area are given in Table 7 with their usage. Some important plant species of the study area are shown in Plate 1.

Altitude has significant effect on species composition and ecological processes. In Himalaya, slope and aspect are other major factors influencing the biodiversity and ecosystem processes. The present

Table 1. Families, genera and species documented from the study area

Taxa	Families		Genera		Species	
	Number	%	Number	%	Number	%
Angiosperms	134	94.37	594	98.18	913	98.06
Gymnosperms	3	2.11	6	0.99	12	1.29
Pteridophyta	4	2.81	4	0.66	5	0.54
Thallophyta	1	0.70	1	0.17	1	0.11
Total	142		605		931	

Table 2. Relative distribution of dicot and monocot flora

Component	Dicots		Monocots	
	Number	%	Number	%
Families	115	86.47	18	13.53
Genera	504	84.56	92	15.44
Species	782	85.65	131	14.35

Table 3. Some dominant families among dicots found in the area

Family	Number of genera	Number of species
Asteraceae	74	111
Fabaceae	44	67
Lamiaceae	28	52
Apiaceae	19	28
Rosaceae	15	37
Brassicaceae	14	14
Apocynaceae	11	14
Amaranthaceae	10	15
Polygonaceae	9	21
Ranunculaceae	8	18

Table 4. Some dominant families among monocots found in the area

Family	Number of genera	Number of species
Poaceae	43	61
Orchidaceae	12	16
Asparagaceae	4	9
Liliaceae	6	7
Araceae	4	7

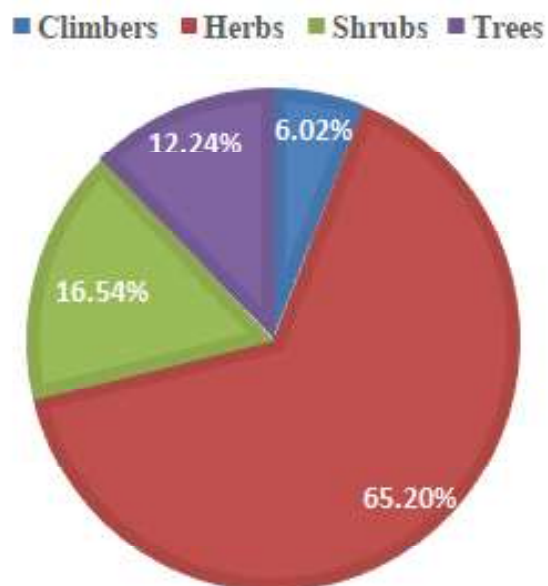


Fig 2. Habit-wise distribution of flora of the study area

Table 5. Ten predominant genera of dicots found in the area

Genus	Number of species
<i>Artemisia</i>	8
<i>Ficus</i>	8
<i>Euphorbia</i>	6
<i>Impatiens</i>	6
<i>Lonicera</i>	6
<i>Persicaria</i>	6
<i>Potentilla</i>	6
<i>Swertia</i>	6
<i>Rosa</i>	6
<i>Berberis</i>	5

Table 6. Distribution of flora as per socio-economic importance

Utility	Species	
	Number	%
Medicinal and aromatic plants	626	73.56
Edible plants	102	11.99
Used as fuel	22	2.59
Used as fodder	74	8.69
Used as timber	27	3.17

Table 7. Details of species of vascular plants recorded in the study area

Taxa	Local /common name	Family	H	M	E	Fu	Fo	Ti
<i>Abelmoschus moschatus</i> Medik	Kasturi Bhindi	Malvaceae	H	+	-	-	-	-
<i>Abies pindrow</i> (Royle ex D Don) Royle	Tosh	Pinaceae	T	+	-	-	-	+
<i>Abrus precatorius</i> L	Indian liquorice	Fabaceae	C	+	-	-	-	-
<i>Abutilon indicum</i> (L) Sweet	Tuti	Malvaceae	H	+	-	-	-	-
<i>Acacia arabica</i> (Lam) Willd	Babul	Mimosaceae	T	+		-	-	-
<i>Acacia catechu</i> (Lf) Willd	Khair	Mimosaceae	T	+		+	-	
<i>Acacia nilotica</i> (L) Willd ex Delile	Kikar	Mimosaceae	T	+	-	+	-	-
<i>Acanthophyllum cerastioides</i> (D Don) Madhani & Zarre	Mouse-ear gypsophila	Caryophyllaceae	H	-	-	-	-	-
<i>Acer caesium</i> Wall ex Brandis	Himalayan mapple	Aceraceae	T	-	-	-	+	+
<i>Acer caudatum</i> Wall	Candle shape mapple	Aceraceae	T	-	-	-	+	+
<i>Achillea millefolium</i> L	Gandana	Asteraceae	H	+	-	-	-	-
<i>Achyranthes aspera</i> L	Puthkanda, Apmarga	Amaranthaceae	H	+	-	-	-	-
<i>Achyranthes Bidentata</i> Blume	Ox knee	Amaranthaceae	H	+	-	-	-	-
<i>Acmella uliginosa</i> (Sw) Cass	Akarkara	Asteraceae	H	+	-	-	-	-
<i>Aconitum heterophyllum</i> Wall ex Royle	Patish	Ranunculaceae	H	+	-	-	-	-
<i>Aconogonum molle</i> (D Don) H Hara	Sikkim knotweed, thrumbula	Polygonaceae	S	+	+	-	-	-
<i>Acorus calamus</i> L	Buch, Bare	Araceae	H	+	-	-	-	-
<i>Actaea spicata</i> L (Wall ex Royle) Hara	Mamiri	Ranunculaceae	H	+	-	-	-	-
<i>Adenocaulon bicolor</i> Hook F	Pathfinder	Asteraceae	H	+	-	-	-	-
<i>Adenostemna viscosum</i> JR Forst & G Forst	Dung weed	Asteraceae	H	+	-	-	-	-
<i>Adiantum capillus-veneris</i> L	Ray fern	Pteridaceae	Frn	+	-	-	-	-
<i>Adiantum incisum</i> Forssk	Kanghai, Gunkeri	Pteridaceae	Frn	+	-	-	-	-
<i>Adiantum venustum</i> D Don	Raj	Adiantaceae	Frn	+	-	-	-	-
<i>Aechmanthera tomentosa</i> Nees	Blue trumpet bush	Acanthaceae	Sh	-	-	-	-	-
<i>Aegle marmelos</i> (L) Corrêa	Bel	Rutaceae	T	+	+	-	-	-
<i>Aerva sanguinolenta</i> (L) Blume	Climbing wool plant	Amaranthaceae	H	-	-	-	-	-
<i>Aeschynomene indica</i> L	Indian joint vetch	Fabaceae	H	+	-	-	-	-
<i>Aesculus indica</i> (Wall ex Cambess) Hook	Khanor, Kuthakhar	Sapindaceae	T	+	-	-	-	-
<i>Agave americana</i> L	Ramban	Agavaceae	Sh	+	-	-	-	-
<i>Agave cantula</i> Roxb	Chota Guial	Agavaceae	Sh	+	-	-	-	-
<i>Ageratum conyzoides</i> L	Neela Phulnu	Asteraceae	H	+	-	-	-	-
<i>Agrimonia eupatorium</i> L	Sticklewort	Rosaceae	H	+	-	-	-	-
<i>Agrimonia pilosa</i> Ledeb	Kuri	Rosaceae	H	+	-	-	-	-
<i>Agrostemma verticillatum</i> Wall	Whorled-leaf corn-cockle	Rubiaceae	H	+	-	-	-	-
<i>Agrostis munroana</i> Aitch & Hemsl	-	Poaceae	H	-	-	-	+	-
<i>Agrostis pilosula</i> Trin	Bent grass	Poaceae	H	-	-	-	+	-
<i>Ailanthus altissima</i> (Mill) Swingle	Tree of heaven	Simarubaceae	T	+	-	-	-	-
<i>Ainsliaea aptera</i> DC	Sath Jalari, Karubuth	Asteraceae	H	+	-	-	-	-
<i>Ajuga bracteosa</i> Wall ex Benth	Neelkanthi	Lamiaceae	H	+	-	-	-	-
<i>Ajuga Parviflora</i> Benth	Neelkanthi	Lamiaceae	H	+	-	-	-	-
<i>Albizia chinensis</i> (Osbeck) Merr	Chinese albizia	Mimosaceae	T	-	-	-	+	+
<i>Albizia stipulata</i> (DC) Boivin	Ohi	Mimosaceae	T	-	-	-	+	+
<i>Albizzia lebbek</i> (L) Benth	Siris	Mimosaceae	T	-	-	-	+	+
<i>Allium carolinianum</i> DC	Jangli Payaz	Amaryllidaceae	H	+	-	-	-	-
<i>Allium humile</i> Kunth	-	Amaryllidaceae	H	+	-	-	-	-
<i>Alnus nitida</i> (Spach) Endl	Kosh, Konish	Betulaceae	T	+	-	+	-	-
<i>Aloe vera</i> (L) Burm f	Ghritkumari	Liliaceae	H	+	-	-	-	-
<i>Alternanthera sessilis</i> (L) DC	Brazilian spinach	Amaranthaceae	H	+	-	-	-	-

Taxa	Local /common name	Family	H	M	E	Fu	Fo	Ti
<i>Alysicarpus rugosus</i> (Willd) DC	Red moneywort	Fabaceae	H	+	-	-	-	-
<i>Amaranthus caudatus</i> L	Fox tail amaranth	Amaranthaceae	H	+	+	-	-	-
<i>Amaranthus paniculatus</i> L	Bathu	Amaranthaceae	H	-	+	-	-	-
<i>Amaranthus viridis</i> L	Green amaranth	Amaranthaceae	H	+	-	-	-	-
<i>Anagalis arvensis</i> L	Jounkmari	Primulaceae	H	+	-	-	-	-
<i>Anaphalis busua</i> (Buch-Ham) DC	Dharadi	Asteraceae	H	-	-	-	-	-
<i>Anaphalis contorta</i> (D Don) Hook f	Bacha	Asteraceae	H	+	-	-	-	-
<i>Anaphalis nepalensis</i> (Spreng) Hand- Mazz	Tawa	Asteraceae	H	+	-	-	-	-
<i>Anaphalis triplinervis</i> Sims ex CB Clarke	Bacha, Bukhi	Asteraceae	H	-	-	-	-	-
<i>Ancistrocladus hamatus</i> (Vahl) Gilg	-	Ancistrocladaceae	C	-	-	-	-	-
<i>Andropogon intermedius</i> R Br	Wooly pearly everlasting	Poaceae	H	-	-	-	+	-
<i>Androsace lanuginosa</i> Wall	-	Primulaceae	H	-	-	-	+	-
<i>Androsace rotundifolia</i> Hardw	Roundleaf rock jasmine	Primulaceae	H	+	-	-	-	-
<i>Androsace sarmentosa</i> Wall	Rock jasmine	Primulaceae	H	+	-	-	-	-
<i>Anemone obtusiloba</i> D Don	Himalayan Thimbleweed	Ranunculaceae	H	+	-	-	-	-
<i>Anemone rivularis</i> Buch-Ham ex DC	Jakri	Ranunculaceae	H	+	-	-	-	-
<i>Anemone vitifolia</i> Buch-Ham ex DC	Grape-leaf anemone	Ranunculaceae	H	+	-	-	-	-
<i>Angelica glauca</i> Edgew	Chaura	Apiaceae	H	+	-	-	-	-
<i>Anisomeles indica</i> (L) Kuntze	Catmint	Lamiaceae	H	+	-	-	-	-
<i>Anthriscus nemorosa</i> Spreng	Forest chervil	Apiaceae	H	+	-	-	-	-
<i>Antirrhinum orontium</i> L	Calf's snout	Scrophulariaceae	H	-	-	-	-	-
<i>Apium graveolens</i> L	Celery	Apiaceae	H	+	+	-	-	-
<i>Apluda mutica</i> L	Mauritian grass	Poaceae	H	-	-	-	+	-
<i>Aquilegia pubiflora</i> Wall ex Royle	Himalayan columbine	Ranunculaceae	H	+	-	-	-	-
<i>Arabidopsis thaliana</i> (L) Heynh	Mouse-ear cress	Brassicaceae	H	-	-	-	-	-
<i>Arabis alpina</i> L	Alpine rock-cress	Brassicaceae	H	-	-	-	-	-
<i>Aralia cachemirica</i> Decne	Bailchora	Araliaceae	H	+	-	-	-	-
<i>Araucaria cunninghamii</i> Mudie	Hoop pine	Araucariaceae	T	+	-	-	-	-
<i>Arctium lappa</i> L	Jangli Kuth	Asteraceae	H	+	-	-	-	-
<i>Arenaria festucoides</i> Benth	-	Caryophyllaceae	H	+	-	-	+	-
<i>Argemone maxicana</i> L	Satyanashi	Papaveraceae	H	-	-	-	-	-
<i>Argyrobolium flaccidum</i> Jaub & Spach	Hairy silver pod	Fabaceae	H	+	-	-	-	-
<i>Arisaema concinnum</i> Schott	Himalayan cobra lily	Araceae	H	+	-	-	-	-
<i>Arisaema flavum</i> (Forssk) Schott	Kida Alu	Araceae	H	+	-	-	-	-
<i>Arisaema tortuosum</i> (Wall) Schott	Kida Alu	Araceae	H	+	-	-	-	-
<i>Arnebai benthami</i> (Wall ex G Don) IM Johnst	Ratanjot	Boraginaceae	H	+	-	-	-	-
<i>Artemisia annua</i> L	Malaria Buti	Asteraceae	H	+	-	-	-	-
<i>Artemisia capillaris</i> Thunb	Danti	Asteraceae	H	+	-	-	-	-
<i>Artemisia japonica</i> Thunb	Japanese wormwood	Asteraceae	H	+	-	-	-	-
<i>Artemisia nilagarica</i> (CB Clarke) Pamp	Chirmara	Asteraceae	Sh	+	-	-	-	-
<i>Artemisia parviflora</i> Roxb ex D Don	Jhau	Asteraceae	H	+	-	-	-	-
<i>Artemisia princeps</i> Pamp	-	Asteraceae	H	+	-	-	-	-
<i>Artemisia roxburghiana</i> Besser	Jonkhar	Asteraceae	H	+	-	-	-	-
<i>Artemisia vulgaris</i> L	Common mugwort	Asteraceae	Sh	+	-	-	-	-
<i>Artocarpus heterophyllus</i> Lam	Kathal	Moraceae	T	+	+	-	-	-
<i>Arundo donax</i> L	Wild cane	Poaceae	H	-	-	-	-	+
<i>Asclepias curassavica</i> L	Kaktundi	Asclepiadaceae	H	+	-	-	-	-
<i>Asparagus adscendens</i> Roxb	Safed Musli	Asparagaceae	H	+	-	-	-	-
<i>Asparagus filicinus</i> Buch-Ham ex D Don	Shatavari, Shoutjalari	Asparagaceae	H	+	-	-	-	-
<i>Asparagus racemosus</i> Willd	Sansarpali	Asparagaceae	C	+	-	-	-	-

Taxa	Local /common name	Family	H	M	E	Fu	Fo	Ti
<i>Aster molliusculus</i> (Lindl ex DC) CB Clarke	Soft aster, Swaying Himalayan aster	Asterraceae	H	-	-	-	-	-
<i>Aster peduncularis</i> Wall ex Nees	Michaelmas daisy	Asteraceae	H	-	-	-	-	-
<i>Aster thomsoni</i> CB Clarke	Thomson's aster	Asterraceae	H	-	-	-	-	-
<i>Astilbe rivularis</i> Buch-Ham ex D Don	Phah, Gosy, Pothee	Saxifragaceae	H	+	-	-	-	-
<i>Astragalus amherstianus</i> Benth	-	Fabaceae	H	-	-	-	-	-
<i>Astragalus chlorostachys</i> Lindl	Green-flowered milk vetch	Fabaceae	Sh	-	-	-	-	-
<i>Astragalus himalayanus</i> Klotzsch	Himalayan milk vetch	Fabaceae	H	+	-	-	-	-
<i>Astragalus leucocephalus</i> Benth	White-head milk vetch	Fabaceae	H	+	-	-	-	-
<i>Atropa belladonna</i> L	Belladonna	Solanaceae	H	+	-	-	-	-
<i>Avena fatua</i> L	Wild oat	Poaceae	H	-	-	-	+	-
<i>Avena sativa</i> L	Joi	Poaceae	H	-	-	-	+	-
<i>Azadirachta indica</i> A Juss	Neem	Meliaceae	T	+	-	-	-	-
<i>Bacopa monnieri</i> (L) Wettst	Brahmi	Scrophulariaceae	H	+	-	-	-	-
<i>Bambusa nutans</i> Wall ex Munro	Nodding bamboo	Poaceae	Sh	-	-	-	-	+
<i>Bambusa vulgaris</i> Schrad ex JC Wendl	-	Poaceae	H	+	-	-	-	-
<i>Barleria cristata</i> L	Bluebell barleria	Acanthaceae	Sh	+	-	-	-	-
<i>Bauhinia divaricata</i> L	Kural	Caesalpiniaceae	T	-	-	-	-	-
<i>Bauhinia purpurea</i> L	Lal Kachnar	Caesalpiniaceae	T	+	-	-	-	-
<i>Bauhinia variegata</i> L	Kachnar	Caesalpiniaceae	T	-	+	-	+	-
<i>Begonia picta</i> Sm	Painted leaf begonia	Begoniaceae	H	+	-	-	-	-
<i>Begonia roxburghii</i> (Miq) A DC	-	Begoniaceae	H	-	+	-	-	-
<i>Berberis aristata</i> DC	Kashmal	Berberidaceae	Sh	+	-	-	-	-
<i>Berberis asiatica</i> Roxb ex DC	Indian berberry	Berberidaceae	Sh	+	-	-	-	-
<i>Berberis jaeschkeana</i> CK Schneid	Kashmal	Berberidaceae	Sh	-	-	-	-	-
<i>Berberis lycium</i> Royle	Kashmal	Berberidaceae	Sh	+	-	-	-	-
<i>Berberis napaulensis</i> (DC) Spreng	Nepal Mahonia	Berberidaceae	Sh	-	-	-	-	-
<i>Berchemia floribunda</i> (Wall) Brongn	Kalapag, Amili	Rhamnaceae	Sh	+	-	-	-	-
<i>Bergenia ciliata</i> (Haw) Sternb	Pashan Bhed	Saxifragaceae	H	+	-	-	-	-
<i>Bergenia pacumbis</i> (Buch-Ham ex D Don) CYWu & JT Pan	Pashan Ved	Saxifragaceae	H	+	-	-	-	-
<i>Bergenia stracheyi</i> (Hook f & Thomson) Engl	Pashan Bhed	Saxifragaceae	H	+	-	-	-	-
<i>Betula alnoides</i> Buch-Ham ex D Don	Himalayan birch	Betulaceae	T	+	-	-	-	-
<i>Betula utilis</i> D Don	Bhojpatra	Betulaceae	T	+	-	-	-	-
<i>Biancaea decapetala</i> (Roth) O Deg	Mysore thorn Relu, Kando	Caesalpiniaceae	C	+	-	-	-	-
<i>Bidens biternata</i> (Lour) Merr & Sherff ex Sherff	Chirchitta	Asteraceae	H	+	-	-	-	-
<i>Bidens pilosa</i> L	Puthkanda	Asteraceae	H	+	-	-	-	-
<i>Bidens tripartita</i> L	Kumber	Asteraceae	H	+	-	-	-	-
<i>Bistorta affinis</i> (D Don) Greene	Himalayan bistort	Polygonaceae	H	+	-	-	-	-
<i>Bistorta amplexicaulis</i> (D Don) Greene	Dori Ghass	Polygonaceae	H	+	-	-	-	-
<i>Blainvillea acmella</i> (L) Philipson	Akarkara	Asteraceae	H	+	-	-	-	-
<i>Blumea lacera</i> (Burm f) DC	Kukranda	Asteraceae	H	+	-	-	-	-
<i>Boehmeria virgata</i> (G Forst) Guill	False nettle	Urticaceae	Sh	+	-	-	-	-
<i>Boenninghausenia albiflora</i> (Hook) Meisn	Pisumar Buti	Rutaceae	H	+	-	-	-	-
<i>Boerhaavia diffusa</i> L	Punarnava, Santh	Nyctaginaceae	H	+	-	-	-	-
<i>Bombax ceiba</i> L	Simbal	Bombacaceae	T	+	-	-	-	-
<i>Bougainvillea glabra</i> Choisy	Paper flower	Nyctaginaceae	Sh	-	-	-	-	-
<i>Bougainvillea spectabilis</i> Willd	Bougainvillea, paper flower	Nyctaginaceae	Sh	+	-	-	-	-

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<i>Broussonetia papyrifera</i> (L) Vent	Jangli Toot	Moraceae	T	+	-	-	-	-
<i>Brucea javanica</i> (L) Merr	Titri	Simaroubaceae	T	+	-	-	-	-
<i>Bryonopsis laciniosa</i> (L) Naudin	Shivlingi	Cucurbitaceae	H	+	-	-	-	-
<i>Bryophyllum pinnatum</i> (Lam) Oken	Good luck leaf, life plant	Crassulaceae	H	+	-	-	-	-
<i>Buddleia asiatica</i> Lour	Asian butterfly bush	Buddlejaceae	Sh	+	-	-	-	-
<i>Buddleia paniculata</i> Wall	Panicled butterfly bush	Scrophulariaceae	Sh	+	-	-	-	-
<i>Bupleurum candollei</i> Wall ex DC	Himalayan Thorowax	Apiaceae	H	+	-	-	-	-
<i>Bupleurum falcatum</i> L	Sickle hare's ear	Apiaceae	H	+	-	-	-	-
<i>Bupleurum longicaule</i> Wall & DC	Long-stem Thorowax	Apiaceae	H	+	-	-	-	-
<i>Bupleurum tenuissimum</i> L	-	Apiaceae	H	-	-	-	-	-
<i>Bupleurum thomsonii</i> CB Clarke	-	Apiaceae	H	+	-	-	-	-
<i>Butea monosperma</i> (Lam) Taub.	Palash	Fabaceae	T	+	-	-	-	-
<i>Buxus wallichiana</i> Baill	Samand	Buxaceae	Sh	-	-	+	+	+
<i>Cajanus mollis</i> (Benth) Maesen	-	Fabaceae	C	+	-	-	-	-
<i>Cajanus platycarpus</i> (Benth) Maesen	Flat-seeded pigeon pea	Fabaceae	C	+	-	+	+	-
<i>Calamagrostis canadensis</i> (Michx) P Beauv	-	Poaceae	H	-	-	-	+	-
<i>Calanthe tricarinata</i> Lindl	Monkey orchid	Orchidaceae	H	+	-	-	-	-
<i>Callicarpa macrophylla</i> Vahl	Large leaf beauty berry	Verbenaceae	Sh	+	-	-	-	-
<i>Calotropis gigantea</i> (L) W T Aiton	Crown flower	Apocynaceae	Sh	+	-	-	-	-
<i>Calotropis procera</i> (Aiton) Dryand	Aak, Madar	Asclepiadaceae	Sh	+	-	-	-	-
<i>Caltha palustris</i> L	Marsh marigold	Ranunculaceae	H	+	-	-	-	-
<i>Campanula latifolia</i> L	Giant bellflower	Campanulaceae	H	-	+	-	-	-
<i>Campanula pallida</i> Wall	Purple bellflower	Campanulaceae	H	-	-	-	-	-
<i>Camphora officinarum</i> Boerh ex Fabr	Camphor tree	Lauraceae	T	-	-	-	-	-
<i>Campylotropis macrostyla</i> (D Don) Lindl ex Miq	Chinese bush clover	Fabaceae	Sh	-	-	-	-	-
<i>Campylotropis stenocarpa</i> (Klotzsch) Schindl	Narrow pod pea shrub	Fabaceae	Sh	-	-	-	-	-
<i>Canna glauca</i> L	Water canna	Cannaceae	H	-	+	-	-	-
<i>Canna indica</i> L	Indian shot	Cannaceae	H	+	-	-	-	-
<i>Cannabis sativa</i> L	Bhang	Cannabaceae	H	+	-	-	-	-
<i>Capillipedium assimile</i> (Steud) A Camus	-	Poaceae	H	-	-	-	+	-
<i>Capparis spinosa</i> L	Caper bush	Capparidaceae	Sh	+	-	-	-	-
<i>Capsella bursa-pastoris</i> Medik	Shepherd's purse	Brassicaceae	H	+	-	-	-	-
<i>Caragana brevispina</i> Benth	Long-stalked pea shrub	Fabaceae	Sh	-	+	-	-	-
<i>Cardamine impatiens</i> L	Narrowleaf bittercress	Brassicaceae	H	+	+	-	-	-
<i>Cardiocrinum giganteum</i> (Wall) Makino	Bhuj Pokhri	Liliaceae	H	+	-	-	-	-
<i>Cardiospermum halicacabum</i> L	Kanphuti	Sapindaceae	C	+	-	-	-	-
<i>Cardus edelbergii</i> Rech f	Edelberg's cotton	Asteraceae	H	+	-	-	-	-
<i>Cardus nutans</i> L	Musk thistle	Asteraceae	H	+	-	-	-	-
<i>Carex filicina</i> Nees	Mihin Krash	Cyperaceae	H	-	-	-	+	-
<i>Carex nubigena</i> D Don	-	Cyperaceae	H	-	-	-	-	-
<i>Carex opaca</i> (F J Herm) P Rothr & Reznicek	Garnoin	Cyperaceae	H	+	-	-	-	-
<i>Carex vaginosa</i> (CB Clarke) SR Zhang	-	Cyperaceae	H	-	-	-	+	-
<i>Carissa spinarum</i> L	Karondha	Apocynaceae	Sh	+	+	-	-	-

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<i>Carpesium cernuum</i> L	Nodding carpesium	Asteraceae	H	+	-	-	-	-
<i>Carthamus tinctorius</i> L	False saffron	Asteraceae	H	+	-	-	-	-
<i>Casearia tomentosa</i> Roxb	Toothed leaf Chilla	Samydaceae	T	+	-	-	-	-
<i>Cassia fistula</i> L	Amaltas	Caesalpiniaceae	T	+	-	-	-	-
<i>Cassiope fastigiata</i> (Wall) D Don	Himalayan Heather	Ericaceae	Sh	+	-	-	-	-
<i>Catharanthus roseus</i> (L) G Don	Sadabahar	Apocynaceae	Sh	+	-	-	-	-
<i>Cedrus deodara</i> (Roxb ex D Don) G Don	Dyar	Pinaceae	T	+	-	+	-	+
<i>Celastrus paniculata</i> Willd	Malkangni	Celastraceae	C	+	-	-	-	-
<i>Celosia argentea</i> L	Silver cock's comb	Amaranthaceae	H	+	-	-	-	-
<i>Celtis australis</i> L	Khirik	Cannabaceae	T	-	-	+	+	-
<i>Cenchrus ciliaris</i> L	-	Poaceae	H	-	-	-	+	-
<i>Cenchrus flaccidus</i> (Griseb) Morrone	Himalayan fountain grass	Poaceae	H	-	-	-	+	-
<i>Centella asiatica</i> (L) Urb	Brahmi	Apiaceae	H	+	-	-	-	-
<i>Centratherum anthelminticum</i> (L) Kuntze	Kaliziri	Asteraceae	H	+	+	-	-	-
<i>Cerastium cerastoides</i> (L) Britton	Mountain chickweed	Caryophyllaceae	H	-	-	-	-	-
<i>Cestrum diurnum</i> L	Din Ka Raja	Solanaceae	Sh	+	-	-	-	-
<i>Cestrum nocturnum</i> L	Rat Ki Rani	Solanaceae	Sh	+	-	-	-	-
<i>Chaerophyllum reflexum</i> var <i>acuminatum</i> (Lindl) Hedge & Lamond	Himalayan chervil	Apiaceae	H	+	-	-	-	-
<i>Chaerophyllum villosum</i> Wall & DC	Hairy chervil	Apiaceae	H	-	+	-	-	-
<i>Chamaecrista mimosoides</i> (L) Greene	Patwa grass	Caesalpiniaceae	H	+	-	-	-	-
<i>Chamaerops humilis</i> L	Mediterranean fan palm	Arecaceae	T	+	-	-	-	-
<i>Chenopodium album</i> L	Bathua	Amaranthaceae	H	+	+	-	-	-
<i>Chenopodium giganteum</i> D Don	Magenta spreen, tree spinach	Amaranthaceae	H	-	+	-	-	-
<i>Chrysojasminum humile</i> (L) Banfi	Yellow jasmine	Oleaceae	Sh	+	-	-	-	-
<i>Chrysopogon fulvus</i> (Spreng) Chiov	Agiva, Gogar, Kahandol	Poaceae	H	-	-	-	+	-
<i>Chrysopogon zizanioides</i> (L) Roberty	Vetiver, Khas-Khas	Poaceae	H	-	-	-	+	-
<i>Cicer arietinum</i> L	Chick pea	Fabaceae	H	+	-	-	-	-
<i>Cichorium intybus</i> L	Chikory	Asteraceae	H	+	+	-	-	-
<i>Cinnamomum camphora</i> (L) J Pres	Kapur	Lauraceae	T	+	-	-	-	-
<i>Cinnamomum tamala</i> (Buch-Ham) T Nees & CH Eberm	Tez patta	Lauraceae	T	+	+	-	-	-
<i>Cirsium acaule</i> (L) AA Weber ex Wigg	Stemless thistle	Asteraceae	H	+	-	-	-	-
<i>Cirsium arvense</i> (L) Scop	Creeping thistle	Asteraceae	H	+	-	-	-	-
<i>Cirsium wallichii</i> DC	Bhoosh, Chawag	Asteraceae	H	+	-	-	-	-
<i>Cissampleos pariera</i> L	Patindu	Menispermaceae	C	+	-	-	-	-
<i>Citrus limon</i> (L) Osbeck	Lemon	Rutaceae	T	+	+	-	-	-
<i>Clematis buehneriana</i> DC	Kannada, white climber	Ranunculaceae	C	+	-	-	-	-
<i>Clematis gouriana</i> Roxb ex DC	Belkangu	Ranunculaceae	C	+	-	-	-	-
<i>Clematis montana</i> Buch-Ham ex DC	Morbel	Ranunculaceae	C	+	-	-	-	-
<i>Cleome viscosa</i> L	Ashian spider flower	Cleomaceae	H	+	-	-	-	-
<i>Clinopodium nepeta</i> (L) Kuntze	Lesser calamint	Lamiaceae	H	+	-	-	-	-
<i>Clinopodium umbrosum</i> (M Bieb) K Koch	Shady calamint	Lamiaceae	H	-	-	-	-	-
<i>Cocculus hirsutus</i> (L) W Theob	Patalgarudi	Menispermaceae	C	-	-	+	-	-
<i>Codonopsis ovata</i> Benth	-	Campanulaceae	C	+	-	-	-	-
<i>Codonopsis rotundifolia</i> Royle	-	Campanulaceae	C	+	-	-	-	-
<i>Coix lacryma-jobi</i> L	Job's tear	Poaceae	H	+	+	-	-	-
<i>Colchicum luteum</i> Baker	Suranjan	Colchicaceae	H	+	-	-	-	-
<i>Colebrookia oppositifolia</i> Sm	Indian squirrel tail	Lamiaceae	Sh	+	-	-	-	-
<i>Colutea nepalensis</i> Sims	Nepal bladder senna	Fabaceae	Sh	-	-	-	-	-

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<i>Commelina oblique</i> Vahl	Jata Kansira	Commelinaceae	H	-	-	-	-	-
<i>Commelina paludosa</i> Blume	Kannyalata	Commelinaceae	H	-	-	-	-	-
<i>Convolvulus arvensis</i> L	Grachi	Convolvulaceae	H	+	-	-	-	-
<i>Cordia dichotoma</i> G Forst	Lasura	Cordiaceae	T	-	-	+	+	+
<i>Coriandrum sativum</i> L	Dhania	Apiaceae	H	+	-	-	-	-
<i>Coriaria nepalensis</i> Wall	Gongar	Coriariaceae	Sh	+	-	-	-	-
<i>Cornus capitata</i> Wall	Evergreen dogwood	Cornaceae	Sh	-	+	-	-	-
<i>Cornus macrophylla</i> Wall	Large-leafed dogwood	Cornaceae	Sh	+	-	-	-	-
<i>Corydalis govaniana</i> Wall	Bhutkeshi	Papaveraceae	H	+	-	-	-	-
<i>Corydalis vaginans</i> Royle	-	Papaveraceae	H	+	-	-	-	-
<i>Cotinus coggygria</i> Scop	European smoke tree	Anacardiaceae	T	-	-	-	+	-
<i>Cotoneaster acuminata</i> Lindl	Acuminate cotoneaster	Rosaceae	Sh	-	-	-	-	-
<i>Cotoneaster affinis</i> Lindl	Purple berry cotoneaster	Rosaceae	Sh	+	-	-	-	-
<i>Cotoneaster bacillaris</i> Wall ex Lindl	Reunsh	Rosaceae	Sh	-	-	-	-	-
<i>Cotoneaster microphyllus</i> Wall ex Lindl	Kalashada	Rosaceae	Sh	+	-	-	-	-
<i>Craniotome furcata</i> (Link) Kuntze	Multicoloured catmint	Lamiaceae	H	+	-	-	-	-
<i>Crepis foetida</i> L	Stinking hawksbeard	Asteraceae	H	+	-	-	-	-
<i>Crepis sancta</i> subsp. <i>falconeri</i> (Hook f) Rech f	Sacred hawksbeard	Asteraceae	H	-	+	-	-	-
<i>Crinum amoenum</i> Ker Gawl ex Roxb	Himalayan crinum lily	Amaryllidaceae	H	+	-	-	-	-
<i>Crotalaria alata</i> Buch-Ham ex D Don	Winged-stem rattlepod	Fabaceae	Sh	+	-	-	-	-
<i>Crotalaria albida</i> B Heyne ex Roth	Mountain rattlepod	Fabaceae	Sh	-	-	-	-	-
<i>Crotalaria hirsuta</i> Willd	Hairy rattlepod	Fabaceae	Sh	-	-	-	-	-
<i>Crotalaria medicaginea</i> Lam	Medick rattlepod	Fabaceae	H	+	-	-	-	-
<i>Cryptolepis dubia</i> (Burm f) MR Almeida	Indian sarsaparilla	Apocynaceae	C	+	-	-	-	-
<i>Cucumis maderaspatanus</i> L	Musimusikkayi	Cucurbitaceae	C	+	-	-	-	-
<i>Cupressus torulosa</i> D Don ex Lamb	Himalayan cypress	Cupressaceae	T	+	-	-	-	-
<i>Curculigo orchioides</i> Gaertn	Kali Musli	Hypoxidaceae	H	+	-	-	-	-
<i>Curcuma longa</i> L	Haldi, turmeric	Zingiberaceae	H	+	-	-	-	-
<i>Cuscuta reflexa</i> Roxb	Amarbel	Cuscutaceae	H	+	-	-	-	-
<i>Cyananthus lobatus</i> Wall ex Benth	Trailing bellflower	Campanulaceae	H	-	-	-	-	-
<i>Cyanodon dactylon</i> (L) Pers	Doob	Poaceae	H	+	-	-	-	-
<i>Cyanotis vaga</i> (Lour) Schult & Schult f	Wandering dew	Commelinaceae	H	-	-	-	-	-
<i>Cyanthillium cinereum</i> (L) H Rob	Sahdevi, little ironweed	Asteraceae	H	+	-	-	-	-
<i>Cyathocline purpurea</i> (Buch-Ham ex D Don) Kuntze	Gangotra	Asteraceae	H	+	-	-	-	-
<i>Cyathula capitata</i> Moq	Litra	Amaranthaceae	Sh	-	-	-	-	-
<i>Cyathula tomentosa</i> Moq	Wooly pastureweed, Litra	Amaranthaceae	Sh	+	-	-	-	-
<i>Cymbopogon citratus</i> (DC) Stapf	Lemon grass	Poaceae	H	+	+	-	-	-
<i>Cymbopogon flexuosus</i> (Nees ex Steud) Will Watson	-	Poaceae	H	+	-	-	-	-
<i>Cymbopogon martini</i> (Roxb) Will Watson	Palm rose	Poaceae	H	+	-	-	-	-
<i>Cynara scolymus</i> L	-	Asteraceae	H	+	+	-	-	-
<i>Cynoglossum zeylanicum</i> (Sw ex Lehm) Thunb ex Brand	Forked forget-me-not	Boraginaceae	H	+	-	-	-	-
<i>Cynoglossum wallichii</i> G Don	Balraj, Shuwer	Boraginaceae	H	+	-	-	-	-
<i>Cynoglossum lanceolatum</i> Forssk	Chinese forget-me-not	Boraginaceae	H	+	-	-	-	-
<i>Cynoglossum microglochin</i> Benth	Purple forget-me-not	Boraginaceae	H	-	-	-	-	-

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<i>Cyperus niveus</i> Retz	Snow white sedge	Cyperaceae	H	+	-	-	-	-
<i>Cypripedium cordigerum</i> D Don	Heart-shaped slipper orchid	Orchidaceae	H	+	-	-	-	-
<i>Cypripedium himalaicum</i> Rolfe	Himalayan slipper orchid	Orchidaceae	H	+	-	-	-	-
<i>Dactylorhiza hatagirea</i> (D Don) Soó	Salampanja	Orchidaceae	H	+	+	-	-	-
<i>Dalbergia sissoo</i> Roxb ex DC	Shisham	Fabaceae	T	-	-	-	-	+
<i>Daphne mucronata</i> Royle	Kashmir daphne	Thymelaceae	Sh	+	-	-	-	-
<i>Daphne papyracea</i> Wall ex G Don	Gandiri	Thymelaeceae	Sh	+	-	-	-	-
<i>Datisca cannabina</i> L	False hemp	Datisceae	H					
<i>Datura metel</i> L	Dhatura	Solanaceae	H	+	-	-	-	-
<i>Datura stramonium</i> L	Dhatura	Solanaceae	H	+	-	-	-	-
<i>Daucus carota</i> L	Jungli Gajar	Apiaceae	H	+	-	-	-	-
<i>Dasiphora fruticosa</i> (L) Rydb	Shrubby cinquefoil	Rosaceae	Sh	-	-	-	-	-
<i>Debregeasia saeneb</i> (Forssk) Hepper & JRI Wood	Siyaru	Urticaceae	Sh	+	-	-	-	-
<i>Decalepidanthus racemosus</i> (Royle ex Benth) Dickoré & Hilger	Himalayan lungwort	Boraginaceae	H	-	-	-	-	-
<i>Deeringia amaranthoides</i> (Lam) Merr	Shrubby Deeringia, Latman	Amaranthaceae	C	+	+	-	-	-
<i>Delphinium denudatum</i> Wall	Laskar, Jadwar, Nirbisi	Ranunculaceae	H	+	-	-	-	-
<i>Dendrobium densiflorum</i> Lindl	Pineapple orchid	Orchidaceae	H	+	-	-	-	-
<i>Descurainia sophia</i> (L) Webb ex Prantl	Flixweed	Brassicaceae	H	+	-	-	-	-
<i>Desmodium elegans</i> DC	Elegant tick clover	Fabaceae	Sh	-	-	-	+	-
<i>Desmodium gangeticum</i> (L) DC	Salparni	Fabaceae	Sh	+	-	-	-	-
<i>Deutzia corymbosa</i> R Br ex G Don	Himalayan deutzia	Hydrangeaceae	Sh	-	-	-	-	-
<i>Deutzia staminea</i> R Br ex Wall	Long-stamen deutzia	Hydrangeaceae	Sh	-	-	-	-	-
<i>Dichrocephala integrifolia</i> (Lf) Kuntze	Bicolor buttonhead	Asteraceae	H	+	-	-	-	-
<i>Dicliptera bupleuroides</i> Nees	Thorowax foldwing	Acanthaceae	H	+	-	-	-	-
<i>Digitaria longiflora</i> (Retz) Pers	-	Poaceae	H	-	-	-	+	-
<i>Digitaria sanguinalis</i> (L) Scop	Safed Rai	Poaceae	H	-	-	-	+	-
<i>Digitalis purpurea</i> L	-	Plantaginaceae	H	+	-	-	-	-
<i>Dioscorea bulbifera</i> L	Bitter yam	Dioscoreaceae	C	+	+	-	-	-
<i>Dioscorea deltoidea</i> Wall ex Griseb	Nepal yam	Dioscoreaceae	C	+	+	-	-	-
<i>Dioscorea dumetorum</i> (Kunth) Pax	Shingli-Migli	Dioscoreaceae	C	-	-	-	-	-
<i>Diospyros malabarica</i> (Desr) Kostel	Indian persimmon	Ebenaceae	T	+	-	-	-	-
<i>Diplazium esculentum</i> (Retz) Sw	Lingad	Athyriaceae	Frn	+	+	-	-	-
<i>Dipsacus inermis</i> Wall	Himalayan teasel	Dipsacaceae	H	-	-	-	-	-
<i>Dhalia pinnata</i> Cav	Dhlia	Asteraceae	H	-	-	-	-	-
<i>Dodonaea viscosa</i> Jacq	Mahandi	Sapindaceae	Sh	+	-	-	-	-
<i>Dolomiaea macrocephala</i> DC ex Royle	Dhoop	Asteraceae	H	+	-	-	-	-
<i>Drepanostachyum falcatum</i> (Nees) Keng f	Himalayan weeping bamboo	Poaceae	H	-	-	-	-	-
<i>Drymaria cordata</i> Willd ex Schult	Pipili	Caryophyllaceae	H	+	-	-	-	-
<i>Duchesnea indica</i> (Andrews) Teschem	Bummaru	Rosaceae	H	+	-	-	-	-
<i>Dysphania botrys</i> (L) Mosyakin & Clemants	Sokana	Amaranthaceae	H	+	-	-	-	-
<i>Echinochloa colona</i> (L) Link	Jangal rice	Poaceae	H	-	-	-	+	-
<i>Echinops cornigerus</i> DC	Sheta Bhoosh	Asteraceae	H	+	-	-	-	-
<i>Echinochloa crus-galli</i> (L) P Beauv	Barnyard millet	Poaceae	H	-	-	-	+	-
<i>Echinops echinatus</i> Roxb	Gokru, Utakanta	Asteraceae	H	+	-	-	-	-
<i>Echinops niveus</i> Wall	Snow-white globe thistle	Asteraceae	H	+	-	-	-	-

Taxa	Local /common name	Family	H	M	E	Fu	Fo	Ti
<i>Eclipta prostrata</i> (L) L	Bhringraj	Asteraceae	H	+	-	-	-	-
<i>Elaeagnus conferta</i> Roxb	Ghiayeen	Elaeagnaceae	Sh	+	-	-	-	-
<i>Elaeocarpus angustifolius</i> Blume	-	Elaeocarpaceae	T	+	-	-	-	-
<i>Elaeodendron glaucum</i> (Rottb) Pers	Jamrasi	Celastraceae	T	+	-	-	-	-
<i>Eleusine coracana</i> (L) Gaertn	Koda, Kodra, Mandua	Poaceae	H	-	+	-	-	-
<i>Elsholtzia ciliata</i> (Thunb) Hyl	Vietnamese balm	Lamiaceae	H	+	-	-	-	-
<i>Elsholtzia fruticosa</i> (D Don) Rehder	Buthi	Lamiaceae	H	+	+	-	-	-
<i>Euploca strigosa</i> (Willd) Diane & Hilger	Chitiphul	Boraginaceae	H	+	-	-	-	-
<i>Elsholtzia flava</i> (Benth) Benth	Yellow Himalayan mint	Lamiaceae	Sh	+	-	-	-	-
<i>Elsholtzia fruticosa</i> (D Don) Rehder	Buthi	Lamiaceae	Sh	+	+	-	-	-
<i>Emilia sonchifolia</i> (L) DC	Cupid's shaving brush	Asteraceae	H	+	-	-	-	-
<i>Engelhardia spicata</i> Lechen ex Blume	Mauwa	Juglandaceae	T	+	-	-	-	-
<i>Epilobium angustifolia</i> L	Rosebay willowherb	Onagraceae	H	+	-	-	-	-
<i>Epilobium brevifolium</i> D Don	Broadleaf willow	Onagraceae	H	-	-	-	-	-
<i>Epilobium parviflorum</i> (Schreb) Schreb	Hoary willowherb	Onagraceae	H	+	-	-	-	-
<i>Epilobium royleanum</i> Hausskn	Himalayan willow	Onagraceae	H	+	-	-	-	-
<i>Epipactis helleborine</i> (L) Crantz	Broad-leaves helleborine	Orchidaceae	H	-	-	-	-	-
<i>Epipactis royleana</i> Lindl	Giant helleborine	Orchidaceae	H	-	-	-	-	-
<i>Equisetum arvense</i> L	Horse tail	Equisetaceae	Frn	+	-	-	-	-
<i>Eragrostis nigra</i> Nees ex Steud	Kush	Poaceae	H	-	-	-	+	-
<i>Eragrostis pilosa</i> (L) P Beauv	-	Poaceae	H	-	-	-	+	-
<i>Eragrostis unioides</i> (Retz) Nees ex Steud	-	Poaceae	H	-	-	-	+	-
<i>Erigeron acer</i> var <i>multicaulis</i> (Wall ex DC) CB Clarke	Himalayan fleabane	Asteraceae	H	-	-	-	-	-
<i>Erigeron belliioides</i> DC	Bellorita	Asteraceae	H	+	-	-	-	-
<i>Erigeron canadensis</i> L	-	Asteraceae	H	+	-	-	-	-
<i>Eriochloa procera</i> (Retz) CE Hubb	-	Poaceae	H	+	-	-	-	-
<i>Erioscirpus comosus</i> (Wall) Palla	-	Cypraceae	H	-	-	-	-	-
<i>Eritrichium canum</i> (Benth) Kitam	Changser, Tukse	Boraginaceae	H	-	-	-	-	-
<i>Erysimum odoratum</i> Ehrh	European wallflower	Brassicaceae	H	-	-	-	-	-
<i>Erythrina suberosa</i> Roxb	Corky coral tree	Fabaceae	T	+	-	-	-	-
<i>Eschenbachia japonica</i> (Thunb) J Kost	Horseweed	Asteraceae	H	-	-	-	-	-
<i>Eschenbachia stricta</i> (Willd) Raizada	Erect horseweed	Asteraceae	H	-	-	-	-	-
<i>Eucalyptus globulus</i> Labill	Safeda	Myrtaceae	T	-	-	+	-	-
<i>Eulaliopsis binata</i> (Retz) CE Hubb	Munji	Poaceae	H	-	-	-	+	-
<i>Euonymus fortune</i> (Turcz) Hand-Mazz	Winter creeper	Celastraceae		-	-	-	-	-
<i>Euonymus lucidus</i> D Don	Spindle tree	Celastraceae	T	-	-	-	-	-
<i>Euonymus tingens</i> Wall	Purple-veined spindle tree	Celastraceae	Sh	-	-	-	-	-
<i>Eupatorium cannabinum</i> L	Hemp-agrimony, holy rope	Asteraceae	H	+	-	-	-	-
<i>Euphorbia cotinifolia</i> L	Caribbean copper plant	Euphorbiaceae	Sh	+	-	-	-	-
<i>Euphorbia helioscopia</i> L	Madwoman's milk	Euphorbiaceae	H	+	-	-	-	-
<i>Euphorbia hirta</i> L	Dudhi	Euphorbiaceae	H	+	-	-	-	-
<i>Euphorbia pulcherrima</i> Willd ex Klotzsch	Mexican flame leaf	Euphorbiaceae	Sh	+	-	-	-	-
<i>Euphorbia royleana</i> Boiss	Royle's spurge	Euphorbiaceae	T	+	-	-	-	-
<i>Euphorbia stracheyi</i> Boiss	Dudhibish	Euphorbiaceae	H	+	-	-	-	-
<i>Euphrasia officinalis</i> L	Eyewort	Orobanchaceae	H	+	-	-	-	-
<i>Evolvulus alsinoides</i> L	Shankhpushpi	Convolvulaceae	H	+	-	-	-	-
<i>Fagopyrum cymosum</i> (Trevir) Meisn	Gangri, Kathi	Polygonaceae	H	+	-	-	-	-

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<i>Fagopyrum debotrys</i> (D Don) Hara	Ban Phaphra	Polygonaceae	H	+	-	-	-	-
<i>Fagopyrum esculentum</i> Moench	Ghangri	Polygonaceae	H	+	+	-	-	-
<i>Fagopyrum tataricum</i> (L) Gaertn	Ogla	Polygonaceae	H	+	-	-	-	-
<i>Ferula jaeschkeana</i> Vatke	Sampharu	Apiaceae	H	+	-	-	-	-
<i>Ficus auriculata</i> Lour	Trimbal	Moraceae	T	+	+	-	-	-
<i>Ficus benghalensis</i> L	Vatt Variksh	Moraceae	T	+	-	-	-	-
<i>Ficus carica</i> L	Fedu	Moraceae	T	+	-	-	-	-
<i>Ficus elastica</i> Roxb ex Hornem	Rubber tree	Moraceae	T	+	-	-	-	-
<i>Ficus neriifolia</i> Sm	Willow-leaf fig	Moraceae	T	-	-	+	+	-
<i>Ficus palmata</i> Forsk	Fegda	Moraceae	T	+	+	-	-	-
<i>Ficus racemosa</i> L	Gular	Moraceae	T	+	-	-	-	-
<i>Ficus religiosa</i> L	Peepal	Moraceae	T	+	-	-	-	-
<i>Fimbristylis quinquangularis</i> (Vahl) Kunth	Grass-like Fimbry	Cyperaceae	H	-	-	-	-	-
<i>Flacourtia indica</i> (Burm f) Merr	Kangu, Bilangra	Salicaceae	T	+	-	-	-	-
<i>Flemingia fruticulosa</i> Wall ex Benth	Trailing wild hops	Fabaceae	Sh	-	-	-	-	-
<i>Flemingia vestita</i> Benth ex Baker f	Soh-Phlang	Fabaceae	H	+	-	-	-	-
<i>Foeniculum vulgare</i> Mil	Saunf	Apiaceae	H	+	+	-	-	-
<i>Fragaria nubicola</i> (Lindl ex Hook f)	Bhumbla	Rosaceae	H	+	-	-	-	-
Lacaita								
<i>Fragaria viridis</i> Weston	Bhumlae, Pahari strawberry	Rosaceae	H	-	+	-	-	-
<i>Fritillaria cirrhosa</i> D Don	Yellow Himalayan fritillary	Liliaceae	H	-	-	-	-	-
<i>Fumaria indica</i> (Hausskn) Pugsley	Pit Papra	Papaveraceae	H	+	-	-	-	-
<i>Galinsoga parviflora</i> Cav	Piplu Ghas	Asteraceae	H	-	-	-	+	-
<i>Galium asperifolium</i> Wall	Rough-leaved clivers	Rubiaceae	H	-	-	-	-	-
<i>Galium aparine</i> L	Cleavers	Rubiaceae	H	+	-	-	-	-
<i>Galium rotundifolium</i> L	Round-leaved bedstraw	Rubiaceae	H	-	-	-	-	-
<i>Gaultheria trichophylla</i> Royle	Himalayan snowberry	Ericaceae	Sh	+	-	-	-	-
<i>Gentiana capitata</i> Buch-Ham ex D Don	Clustered Gentian	Gentianaceae	H	-	-	-	-	-
<i>Gentiana carinata</i> (D Don ex G Don) Griseb	Dark Blue Gentian	Gentianaceae	H	-	-	-	-	-
<i>Gentiana kurroo</i> Royle	Karu	Gentianaceae	H	+	-	-	-	-
<i>Gentianella moorcroftiana</i> (Wall ex G Don) Airy Shaw	Moorcroft's Gentian	Gentianaceae	H	-	-	-	-	-
<i>Gentianella tenella</i> (Rottb) Börner	Dane's dwarf Gentian	Gentianaceae	H	-	-	-	-	-
<i>Geranium nepalense</i> Sweet	Tirahni	Geraniaceae	H	+	-	-	-	-
<i>Geranium wallichianum</i> D Don	Chowarhi	Geraniaceae	H	+	-	-	-	-
<i>Geum elatum</i> Wallex G Don	High avens	Rosaceae	H	-	-	-	-	-
<i>Girardinia diversifolia</i> (Link) Friis	Zarahan	Urticaceae	H	+	-	-	-	-
<i>Gloriosa superba</i> L	Kalihari	Colchicaceae	C	+	-	-	-	-
<i>Gnaphalium hypoleucum</i> DC	White leaved cutweed	Asteraceae	H	-	+	-	-	-
<i>Gonostegia hirta</i> (Blume) Miq	Oek	Urticaceae	H	+	-	-	-	-
<i>Goodyera repens</i> (L) R Br	Creeping lady's tresses	Orchidaceae	H	+	-	-	-	-
<i>Grevillea robusta</i> A Cunn ex R Br	Silver oak	Proteaceae	T	-	-	+	-	-
<i>Grewia optiva</i> JR Drumm ex Burret	Biul	Tiliaceae	T	-	-	+	+	-
<i>Griffitharia lanata</i> (D Don) Rushforth	-	Rosaceae	Sh	+	-	-	-	-
<i>Habenaria intermedia</i> D Don	Bog orchid	Orchidaceae	H	+	-	-	-	-
<i>Habenaria pectinata</i> D Don	Comb Habenaria	Orchidaceae	H	+	-	-	-	-
<i>Hedera nepalensis</i> K Koch	Katari, Michana	Araliaceae	C	+	-	-	-	-
<i>Hedychium spicatum</i> Sm	Ban Haldi	Zingiberaceae	H	+	-	-	-	-
<i>Helianthus annuus</i> L	Surajmukhi	Asteraceae	H	-	+	-	-	-

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<i>Hellenia speciosa</i> (J Koenig) SR Dutta	Kemuk	Costaceae	H	+	-	-	-	-
<i>Henckelia pumila</i> (D Don) A Dietr	Dwarf Chirita	Gesneraceae	H	-	-	-	-	-
<i>Heracleum candicans</i> Wall ex DC	Patrala	Apiaceae	H	+	-	-	-	-
<i>Herminium lanceum</i> (Thunb ex Sw)	Lanceleaf	Orchidaceae	H	+	-	-	-	-
Vuijk	Herminium							
<i>Heteropogon contortus</i> (L) P Beauv ex Roem & Schult	Kamrodhi	Poaceae	H	-	-	-	+	-
<i>Hibiscus rosa-sinensis</i> L	Gudhal	Malvaceae	Sh	+	-	-	-	-
<i>Hibiscus syriacus</i> L	Shrub Athea	Malvaceae	Sh	+	-	-	-	-
<i>Himalrandia tetrasperma</i> (Wall ex Roxb) T Yamaz	Himalayan Randia	Rubiaceae	Sh	+	-	-	-	-
<i>Hippolytia dolichophylla</i> (Kitam) K Bremer & Humphries	Guggul, long-leaved tansy	Asteraceae	H	+	-	-	-	-
<i>Hippolytia longifolia</i> (Rech f) C Shih	Long-leaved tansy	Asteraceae	H	+	-	-	-	-
<i>Hiptage benghalensis</i> (L) Kurz	Madhvi Latta	Malpighiaceae	C	+	-	-	-	-
<i>Houttuynia cordata</i> Thunb	Chameleon plant	Saururaceae	H	+	-	-	-	-
<i>Hydrangea anomala</i> D Don	Japani's climbing hydrangea	Hydrangiaceae	Sh	+	-	-	-	-
<i>Hydrocotyle javanica</i> Thunb	Aulijhar	Araliaceae	H	+	-	-	-	-
<i>Hydrocotyle rotundifolia</i> Roxb	Lawn marshpennywort	Araliaceae	H	+	-	-	-	-
<i>Hylotelephium ewersii</i> (Ledeb) H Ohba	Pink Mongolian stonecrop	Crassulaceae	H	-	-	-	-	-
<i>Hyoscyamus niger</i> L	Khurasani Ajwain	Solanaceae	H	+	-	-	-	-
<i>Hypericum japonicum</i> Thunb	Matted St John's wort	Hypericaceae	H	+	-	-	-	-
<i>Hypericum oblongifolium</i> Choisy	Pendant hypericum	Hypericaceae	Sh	+	-	-	-	-
<i>Hypericum perforatum</i> L	Basant	Hypericaceae	H	+	-	-	-	-
<i>Ilex dipyrrena</i> Wall	Himalayan holly	Aquifoliaceae	T	-	-	-	-	-
<i>Impatiens balsamina</i> L	Tilpara	Balsaminaceae	H	+	-	-	-	-
<i>Impatiens glandulifera</i> Royle	Tilpara, Mewa	Balsaminaceae	H	+	+	-	-	-
<i>Impatiens racemosa</i> DC	Gadama, Tilpara	Balsaminaceae	H	-	-	-	-	-
<i>Impatiens scabrida</i> DC	Rough yellow balsam	Balsaminaceae	H	-	-	-	-	-
<i>Impatiens sulcata</i> Wall	Gigantic Himalayan balsam	Balsaminaceae	H	-	-	-	-	-
<i>Impatiens thomsonii</i> Hook f	Quill-Spur balsam	Balsaminaceae	H	-	-	-	-	-
<i>Imperata cylindrica</i> (L) Raeusch	Elephant grass	Poaceae	H	-	-	-	-	-
<i>Indigofera atropurpurea</i> Buch-Ham ex Hornem	Deep-purple indigo	Fabaceae	Sh	+	-	-	-	-
<i>Indigofera cassioides</i> Rottler ex DC	Kathi	Fabaceae	Sh	-	-	-	-	-
<i>Indigofera hebeptala</i> Benth ex Baker	-	Fabaceae	Sh	-	+	-	-	-
<i>Indigofera heterantha</i> Wall ex Brandis	Himalayan indigo	Fabaceae	Sh	+	-	-	-	-
<i>Indigofera hirsuta</i> L	Hairy indigo	Fabaceae	H	+	-	-	-	-
<i>Inula cappa</i> (Buch-Ham ex D Don) DC	Sheep's ear	Asteraceae	Sh	+	-	-	-	-
<i>Inula cuspidata</i> (DC) CB Clarke	Lanceleaf inula	Asteraceae	Sh	+	-	-	-	-
<i>Inula grandiflora</i> Willd.	Showy inula	Asteraceae	Sh	+	-	-	-	-
<i>Inula racemosa</i> Hook f	Pushkarmool	Asteraceae	H	+	-	-	-	-
<i>Ipomoea hederacea</i> Jacq	Ivy-leaved morning glory	Convolvulaceae	C	+	-	-	-	-
<i>Ipomoea nil</i> (L) Roth	Kaladana	Convolvulaceae	H	+	-	-	-	-
<i>Ipomoea purpurea</i> (L) Roth	Morning glory	Convolvulaceae	C	+	-	-	-	-
<i>Iris hookeriana</i> Foster	Hooker's iris	Iridaceae	H	+	-	-	-	-
<i>Iris kemaonensis</i> Wall ex D Don	Lathum	Iridaceae	H	+	-	-	-	-
<i>Isodon coetsa</i> (Buch-Ham ex D Don) Kudô	-	Lamiaceae	H	-	-	-	-	-

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<i>Isodon rugosus</i> (Wall ex Benth) Codd	Shian	Lamiaceae	Sh	+	-	-	-	-
<i>Jacobaea nudicaulis</i> (Buch-Ham ex D Don) B Nord	Kakrata, bare-stem ragwort	Asteraceae	H	+	-	-	-	-
<i>Jacaranda mimosifolia</i> D Do	Jacaranda	Bignoniaceae	T	+	-	-	-	+
<i>Jasminum dispersum</i> Wall	-	Oleaceae	Sh	-	-	-	-	-
<i>Jasminum grandiflorum</i> L	Spanish jasmine	Oleaceae	Sh	+	-	-	-	+
<i>Jasminum officinale</i> L	Common jasmine	Oleaceae	Sh	+	-	-	-	+
<i>Juglans regia</i> L	Khod, Akhrot	Juglandaceae	T	+	+	-	-	-
<i>Juniperus communis</i> L	Common juniper	Cupressaceae	Sh	+	-	-	-	-
<i>Juniperus horizontalis</i> Moench	-	Cupressaceae	Sh	+	-	-	-	-
<i>Jurinea auriculata</i> (DC) N Garcia, Herrando & Susanna	Kuth	Asteraceae	H	+	-	-	-	-
<i>Jurinea heteromalla</i> (D Don) N Garcia, Herrando & Susanna	Himalayan thornless thistle	Asteraceae	H	+	-	-	-	-
<i>Jurinea macrocephala</i> (Royle) Aswal et Goel	Dhoop, Jugal Dhoop	Asteraceae	H	-	-	-	-	-
<i>Justicia adhatoda</i> L	Vasa, Vasaka	Acanthaceae	Sh	+	-	-	-	-
<i>Kalanchoe integra</i> (Medik) Kuntze	Never-die	Crassulaceae	H	-	-	-	-	-
<i>Klasea pallida</i> (DC) Holub	Himalayan Klasea	Asteraceae	H	-	-	-	-	-
<i>Koenigia polystachya</i> (Wall ex Meisn) TM Schust & Reveal	Himalayan knotweed	Polygonaceae	H	-	+	-	-	-
<i>Lactuca dissecta</i> D Don	Split-leaf-lettuce	Asteraceae	H	+	-	-	-	-
<i>Lagerstroemia indica</i> L	Pharash	Lythraceae	Sh	+	-	-	-	-
<i>Laggera alata</i> (DC) Oliv	Winged-stem Laggera	Asteraceae	H	+	-	-	-	-
<i>Lamium album</i> L	White nettle	Lamiaceae	H	+	-	-	-	-
<i>Lantana camara</i> L	Wild sage	Verbenaceae	Sh	+	-	+	-	+
<i>Laphangium affine</i> (D Don) Tzvelev	Cotton weed	Asteraceae	H	-	-	-	-	-
<i>Laphangium luteoalbum</i> (L) Tzvelev	Jersey cudweed	Asteraceae	H	-	-	-	-	-
<i>Lathyrus aphaca</i> L	Yellow pea	Fabaceae	H	-	+	-	-	-
<i>Lathyrus sphaericus</i> Retz	Grass pea	Fabaceae	H	-	-	-	-	-
<i>Launaea nudicaulis</i> (L) Hook f	Bold-leaf launaea	Asteraceae	H	+	-	-	-	-
<i>Leontopodium alpinum</i> Cass	Edelweiss	Asteraceae	H	+	-	-	-	-
<i>Leonurus cardiac</i> L	Motherwort	Lamiaceae	H	+	-	-	-	-
<i>Lepidium sativum</i> L	Garden cress	Brassicaceae	H	+	+	-	-	-
<i>Leptochloa panicea</i> (Retz) Ohwi	Mucronate sprangletop	Poaceae	H	-	-	-	+	-
<i>Leptodermis lanceolata</i> Wall	Padera, Padar	Rubiaceae	Sh	-	-	-	-	-
<i>Leptorhabdos parviflora</i> (Benth) Benth	Feather-leaf broom herb, leptorhabdos	Orobanchaceae	H	-	-	-	-	-
<i>Lepedeza gerardiana</i> Wall ex Maxim	Bush clover	Fabaceae	H	-	-	-	-	-
<i>Lepedeza juncea</i> (Lf) Pers	Rush bush clover	Fabaceae	Sh	+	+	-	-	-
<i>Leucaena leucocephala</i> (Lam) de Wit	Su-Babool	Fabaceae	T	+	-	-	-	-
<i>Leucas cephalotes</i> (Roth) Spreng	Dron Pushpi	Lamiaceae	H	-	-	-	-	-
<i>Leucas lanata</i> Benth	Dhurlu Ghas	Lamiaceae	H	+	-	-	-	-
<i>Ligularia jacquemontiana</i> (Decne) MA Rau	West Himalayan Ligularia	Asteraceae	H	-	-	-	-	-
<i>Ligusticopsis wallichiana</i> (DC.) Pimenov & Kljuykov	Matoshal, milkparsely	Apiaceae	H	-	-	-	-	-
<i>Lilium polyphyllum</i> D Don	White Himalayan lilly	Liliaceae	H	+	-	-	-	-
<i>Lilium wallichianum</i> Schult & Schult f	Easter lilly	Liliaceae	H	+	-	-	-	-
<i>Limonia acidissima</i> L	Wood elephant apple	Rutaceae	T	+	+	-	-	-
<i>Lindelfia longiflora</i> Baill	Himalayan lungwort	Boraginaceae	H	-	-	-	-	-

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<i>Lindenbergia indica</i> (L) Vatke	Patthar Chatti, Pindru	Orobanchaceae	H	+	-	-	-	-
<i>Lindenbergia muraria</i> (Roxb ex D Don) Brühl	-	Orobanchaceae	H	+	-	-	-	-
<i>Linum usitasimum</i> L	Alsi	Linaceae	H	+	-	-	-	-
<i>Lobelia trialata</i> Buch-Ham	-	Campanulaceae	H	+	-	-	-	-
<i>Lolium arundinaceum</i> (Schreb) Darbysh	-	Poaceae	H	-	-	-	+	-
<i>Lonicera angustifolia</i> Wall ex DC	Plaas	Caprifoliaceae	Sh	-	+	-	-	-
<i>Loniceracaucasica</i> subsp <i>orientalis</i> (Lam) DF Chamb & DG Long	Dogu Hanimellisi	Caprifoliaceae	Sh	-	-	-	-	-
<i>Lonicera japonica</i> Thunb	Chinese honeysuckle	Caprifoliaceae	Sh	+	-	-	-	-
<i>Lonicera obovata</i> Royle ex Hook f & Thomson	Blueberry honeysuckle	Caprifoliaceae	Sh	-	-	-	-	-
<i>Lonicera purpurascens</i> (Jacquem ex Decne) Walp	-	Caprifoliaceae	Sh	-	-	-	-	-
<i>Lonicera quinquelocularis</i> Hardw	Translucent honeysuckle	Caprifoliaceae	Sh	+	-	-	-	-
<i>Lotus corniculatus</i> L	Bird's foot, trefoil	Fabaceae	H	+	-	-	-	-
<i>Lyonia ovalifolia</i> (Wall) Drude	Bheral, Ayar	Ericaceae	T	+	-	-	-	-
<i>Machilus glaucescens</i> (Nees) HW Li	-	Lauraceae	T	-	-	-	-	-
<i>Mucuna pruriens</i> (L) DC	Velvet bean	Fabaceae	C	+	-	-	-	-
<i>Maianthemum purpureum</i> (Wall) La Frankie	Himalayan mayflower	Asparagaceae	H	-	+	-	-	-
<i>Malaxis accuminata</i> D Don	Jeevak	Orchidaceae	H	+	-	-	-	-
<i>Malaxis muscifera</i> (Lindl) Kuntze	Rishbhak	Orchidaceae	H	+	-	-	-	-
<i>Malva pusilla</i> Sm	Small mallow	Malvaceae	H	+	-	-	-	-
<i>Malva sylvestris</i> L	Sonchal, Chirori	Malvaceae	H	+	-	-	-	-
<i>Malva verticillata</i> L	Chinese mallow	Malvaceae	H	+	-	-	-	-
<i>Malvastrum coromandelianum</i> (L) Garcke	Broomweed	Malvaceae	H	+	-	-	-	-
<i>Malvaviscus arboreus</i> Dill ex Cav	-	Malvaceae	Sh	-	+	-	-	-
<i>Mangifera indica</i> L	Aam	Anacardiaceae	T	+	+	-	-	-
<i>Marsdenia roylei</i> Wight	Red pergularia	Apocynaceae	C	+	-	-	-	-
<i>Matricaria chamomilla</i> L	-	Asteraceae	H	+	-	-	-	-
<i>Meconopsis aculeata</i> Royle	Mushkanda, blue poppy	Papaveraceae	H	+	-	-	-	-
<i>Medicago falcata</i> L	Yellow-flowered alfalfa	Fabaceae	H	-	-	-	+	-
<i>Medicago lupulina</i> L	Black clover	Fabaceae	H	-	-	-	+	-
<i>Medicago polymorpha</i> L	California burclover	Fabaceae	H	-	+	-	-	-
<i>Megathyrsus maximus</i> (Jacq) BK Simon & SWL Jacobs	Kawai, Guinea grass	Poaceae	H	-	-	-	+	-
<i>Melaleuca bracteata</i> F Muell	-	Myrtaceae	T	+	-	-	-	-
<i>Melanoseris brunoniana</i> (Wall ex DC) N Kilian & Ze H Wang	Himalayan blue sow-thistle	Asteraceae	H	+	-	-	-	-
<i>Melanoseris cyanea</i> (D Don) Edgew	-	Asteraceae	H	-	-	-	-	-
<i>Melanoseris macrorhiza</i> (Royle) N Kilian	-	Asteraceae	H	-	-	-	-	-
<i>Melia azedarch</i> L	Bakain	Meliaceae	T	+	-	+	-	+
<i>Melia dubia</i> Cav	Malabar Neem	Meliaceae	T	+	-	+	-	+
<i>Melilotus officinalis</i> (L) Lam	Honey clover	Fabaceae	H	-	-	-	-	-
<i>Melissa officinalis</i> L	-	Lamiaceae	H	+	-	-	-	-
<i>Melothira heterophylla</i> (Lour) Cogn	Balakakri	Cucurbitaceae	C	+	-	-	-	-
<i>Mentha aquatica</i> L	-	Lamiaceae	H	+	-	-	-	-

Taxa	Local /common name	Family	H	M	E	Fu	Fo	Ti
<i>Mentha arvensis</i> L	Wild mint	Lamiaceae	H	+	-	-	-	-
<i>Mentha longifolia</i> (L) Huds	Jungli pudina	Lamiaceae	H	+	-	-	-	-
<i>Mentha × piperita</i> L	Pippermint	Lamiaceae	H	+	-	-	-	-
<i>Mentha spicata</i> L	Pahari Pudina	Lamiaceae	H	+	+	-	-	-
<i>Micromeria biflora</i> Benth	Indian wild thyme	Lamiaceae	H	+	-	-	-	-
<i>Mimosa pudica</i> L	Chui-Mui	Minosaceae	H	+	-	-	-	-
<i>Mimosa rubicaulis</i> Lam	Himalayan Mimosa	Mimosaceae	C	+	-	-	-	-
<i>Mirabilis jalapa</i> L	Chamderkanti	Nyctaginaceae	H	+	-	-	-	-
<i>Miscanthus sinensis</i> Andersson	-	Poaceae	H	-	-	-	+	-
<i>Mitragyna parviflora</i> (Roxb) Korth	Kaim	Rubiaceae	T	+	-	-	-	-
<i>Momordica charantia</i> L	Bitter gourd	Cucurbitaceae	C	+	+	-	-	-
<i>Morchella esculenta</i> (L) Pers	Guchi	Morchellaceae	F	+	-	-	-	-
<i>Morina coulteriana</i> Royle	Yellow whorlflower	Caprifoliaceae	H	+	-	-	-	-
<i>Morina longifolia</i> Wall ex DC	Biskandara	Caprifoliaceae	H	+	-	-	-	-
<i>Morus alba</i> L	Shahtoot	Moraceae	T	+	+	-	+	+
<i>Morus nigra</i> L	Cheemu	Moraceae	T					
<i>Morus serrata</i> Roxb	-	Moraceae	T	+	+	-	+	+
<i>Mucuna bracteata</i> DC ex Kurz	Kaunch	Fabaceae	C	+	-	-	-	-
<i>Mucuna imbricata</i> (Roxb ex Lindl) DC ex Baker	Kali Kaunch	Fabaceae	C	+	-	-	-	-
<i>Mucuna pruriens</i> var <i>utilis</i> (Wall ex Wight) Baker ex Burck	Safed Kaunch	Fabaceae	C	+	-	-	-	-
<i>Murraya koenigii</i> (L) Spreng	Curry Patta	Rutaceae	Sh	+	+	-	-	-
<i>Murraya paniculata</i> (L) Jack	Gandhela	Rutaceae	T	+	+	-	-	-
<i>Myriactis nepalensis</i> Less	-	Asteraceae	H	-	+	-	-	-
<i>Myosotis sylvetica</i> Hoffm	Forget-me-not	Boraginaceae	H	-	-	-	-	-
<i>Myriactis wallichii</i> Less	Short petal	Asteraceae	H	-	-	-	-	-
	Myriactice							
<i>Myrica esculenta</i> Buch-Ham ex D Don	Kaphal	Myricaceae	T	+	+	-	-	-
<i>Myrsine africana</i> L	Jhinjru, Jhurlu	Primulaceae	Sh	+	-	-	-	-
<i>Narcissus tazetta</i> L	Nargis	Amaryllidaceae	H	+	-	-	-	-
<i>Nardostachys jatamansi</i> (D Don) DC	Bhutjata	Caprifoliaceae	H	+	-	-	-	-
<i>Nasturtium officinale</i> R Br	Watercress	Brassicaceae	H	+	-	-	-	-
<i>Neolamarckia cadamba</i> (Roxb) Bosser	Kadamb	Rubiaceae	T	+	-	-	-	-
<i>Neolitsea pallens</i> (D Don) Momiy & H Hara	Common bur-flower tree	Lauraceae	T	+	+	-	-	-
<i>Nepenthes khasiana</i> Hook f	-	Nepenthaceae	C	+	-	-	-	-
<i>Nepeta distans</i> Royle ex Benth	-	Lamiaceae	H	+	-	-	-	-
<i>Nepeta erecta</i> (Royle ex Benth) Benth	Erect catmint	Lamiaceae	H	+	-	-	-	-
<i>Nepeta laevigata</i> (D Don) Hand-Mazz	Catnip	Lamiaceae	H	+	-	-	-	-
<i>Nepeta linearis</i> Royle ex Benth	Narrow-leaved catmint	Lamiaceae	H	-	-	-	-	-
<i>Nerium oleander</i> L	Lal Kaner	Apocynaceae	Sh	+	-	-	-	-
<i>Neyraudia arundinacea</i> (L) Henrard	Bichhru, Naltura	Poaceae	H	-	-	-	+	-
<i>Nicandra physalodes</i> (L) Gaertn	Apple of Peru	Solanaceae	H	+	-	-	-	-
<i>Nicotiana tabacum</i> L	Tambaaku	Solanaceae	H	+	-	-	-	-
<i>Nocca caerulea</i> (J Presl & C Presl) FK Mey	Alpine penny grass	Brassicaceae	H	-	-	-	-	-
<i>Nyctanthes arbor-tristis</i> L	Night-blooming jasmine	Oleaceae	T	+	-	-	-	-
<i>Ocimum gratissimum</i> L	Tulsi	Lamiaceae	H	+	-	-	-	-
<i>Ocimum kilimandscharicum</i> Gürke	Tulsi	Lamiaceae	Sh	+	-	-	-	-
<i>Ocimum tenuiflorum</i> L	Krishna Tulsi	Lamiaceae	H	+	-	-	-	-

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<i>Oenothera rosea</i> L'Hér ex Aito	Rose evening primrose	Onagraceae	H	+	-	-	-	-
<i>Oldenlandia corymbosa</i> L	Two-flowered oldenlandia	Rubiaceae	H	+	-	-	-	-
<i>Olea europaea</i> subsp <i>cuspidata</i> (Wall & G Don) Cif	Wild olive	Oleaceae	T	+	-	-	-	-
<i>Onychium lucidum</i> (D Don) Spreng	-	Pteridaceae	Frn	+	-	-	-	-
<i>Ophiopogon intermedius</i> D Don	Aztec grass	Liliaceae	H	-	-	-	-	-
<i>Opuntia elatior</i> Mill	Nagphani	Cactaceae	Sh	+	-	-	-	-
<i>Oreocome candollei</i> (DC) Edgew	Bhutkesi	Apiaceae	H	+	-	-	-	-
<i>Oreoseris gossypina</i> (Royle) XD Xu & VA Funk	Hairy gerbera daisy	Asteraceae	H	-	-	-	-	-
<i>Origanum majorana</i> L	Maruga	Lamiaceae	H	+	-	-	-	-
<i>Origanum vulgare</i> L	Sathra	Lamiaceae	H	+	-	-	-	-
<i>Oroxylum indicum</i> (L) Kurz	Arlu	Bignoniaceae	T	+	-	-	-	-
<i>Osmorhiza claytoni</i> CB Clarke	Clayton's sweetroot	Apiaceae	H	+	-	-	-	-
<i>Osyris lanceolata</i> Hochst & Steud	Dalmi	Santalaceae	T	+	-	-	-	+
<i>Ototropis multiflora</i> (DC) H Ohashi & K Ohashi	May-flowered desmodium	Fabaceae	Sh	-	-	-	-	-
<i>Oxalis acetosella</i> L	Khatmith, Mili	Oxalidaceae	H	+	-	-	-	-
<i>Oxalis corniculata</i> L	Malori, Khattameetha	Oxalidaceae	H	+	-	-	-	-
<i>Oxyria digyna</i> Hill	Kailashi	Polygonaceae	H	+	+	-	-	-
<i>Oxalis pes-caprae</i> L	Milli Malori	Oxalidaceae	H	+	-	-	-	-
<i>Paeonia lactiflora</i> Pall		Paeoniaceae	H	+	-	-	-	-
<i>Panicum milaceum</i> L	Proso millet	Poaceae	H	+	-	-	-	-
<i>Panicum repens</i> L	-	Poaceae	H	+	-	-	-	-
<i>Papaver dubium</i> L	Long-headed poppy	Papaveraceae	H	+	-	-	-	-
<i>Paris polyphylla</i> Smith	Satuwa	Melanthiaceae	H	+	-	-	-	-
<i>Parnassia nubicola</i> Wall ex Royle	Phutkiya	Celastraceae	H	-	-	-	-	-
<i>Parochetus communis</i> Buch-Ham ex D Don	Shamrock pea	Fabaceae	H	-	-	-	-	-
<i>Parthenium hysterophorus</i> L	Congress grass	Asteraceae	H	-	-	-	-	-
<i>Parthenocissus semicordata</i> (Wall) Planch	Himalayan woodbine	Vitaceae	C	-	-	-	-	-
<i>Paspalidium flavidum</i> (Retz) A Camus	-	Poaceae	H	-	-	-	+	-
<i>Paspalum sanguinale</i> Lam	-	Poaceae	H	-	-	-	+	-
<i>Paspalum scrobiculatum</i> L	Kodra	Poaceae	H	-	-	-	+	-
<i>Pedicularis gracilis</i> subsp <i>macrocarpa</i> (Prain) PC Tsoong	Slender lousewort	Orobanchaceae	H	+	-	-	-	-
<i>Pedicularis megalantha</i> D Don	Large-flower lousewort	Orobanchaceae	H	+	-	-	-	-
<i>Pedicularis pectinata</i> Wall ex Benth	Lousewort	Orobanchaceae	H	+	-	-	-	-
<i>Pelargonium graveolens</i> L'Hér	Rose geranium	Geraniaceae	H	+	-	-	-	-
<i>Pennisetum flaccidum</i> Griseb	Flaccid grass	Poaceae	H	-	-	-	+	-
<i>Pennisetum orientale</i> LC Rich	Khadar	Poaceae	H	-	-	-	+	-
<i>Pentanema divaricatum</i> Cass	-	Asteraceae	H	-	-	-	-	-
<i>Perilla frutescens</i> (L) Britton	Bhangjiri	Lamiaceae	H	+	+	-	-	-
<i>Persicaria capitata</i> (Buch-Ham ex D Don) H Gross	Kalovar	Polygonaceae	H	-	-	-	-	-
<i>Persicaria chinensis</i> (L) H Gross	Chinese knotweed	Polygonaceae	H	+	-	-	-	-
<i>Persicaria amplexicaulis</i> (D Don) Ronse Decr	Dori Ghass	Polygonaceae	H	-	-	-	-	-

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<i>Persicaria hydropiper</i> (L) Delarbre	Sainara	Polygonaceae	H	+	-	-	-	-
<i>Persicaria nepalensis</i> (Meisn) Miyabe	-	Polygonaceae	H	+	+	-	-	-
<i>Persicaria wallichii</i> Greuter & Burdet	Himalayan knotweed	Polygonaceae	H	+	-	-	-	-
<i>Phalaris arundinacea</i> L	-	Poaceae	H	-	-	-	+	-
<i>Phalaris minor</i> Retz	Small canary grass	Poaceae	H	-	-	-	+	-
<i>Phalaris paradoxa</i> L	Chiriya Bajra	Poaceae	H	-	-	-	+	-
<i>Phanera vahlii</i> (Wight & Arn) Benth	Tour	Caesalpiniaceae	C	+	+	-	-	-
<i>Phlomoides bracteosa</i> (Royle ex Benth)	Jamtikle	Lamiaceae	H	-	-	-	-	-
Kamelin & Makhm								
<i>Phleum alpinum</i> L	Alpine cat tail	Poaceae	H	-	-	-	+	-
<i>Philadelphus coronaries</i> L	Mockorange	Hydrangeaceae	Sh	-	-	-	-	-
<i>Phragmites communis</i> Trin	Dar, Narkul	Poaceae	H	+	-	-	-	-
<i>Phragmites karka</i> (Retz) Trin ex Steud	Water reed	Poaceae	H	+	-	-	-	-
<i>Phyllanthus emblica</i> L	Aaonla	Phyllanthaceae	T	+	+	-	-	-
<i>Phyllanthus niruri</i> L	Bhumi Aaon	Phyllanthaceae	H	+	-	-	-	-
<i>Physalis minima</i> L	Raspberry	Solanaceae	H	-	+	-	-	-
<i>Phytolacca acinosa</i> Roxb	Jharkha	Phytolacaceae	H	+	-	-	-	-
<i>Picea smithiana</i> (Wall) Boiss	Tosh	Pinaceae	T	-	-	-	-	+
<i>Picrorhiza kurroa</i> Royle ex Benth	Karoo	Plantaginaceae	H	+	-	-	-	-
<i>Pilea pumila</i> A Gray	Clearweed	Urticaceae	H	-	-	-	-	-
<i>Pilosella officinarum</i> Vaill	Mouse-ear hawkweed	Asteraceae	H	+	-	-	-	-
<i>Pimpinella acuminata</i> CB Clarke	Taperingleaf hogwood	Apiaceae	H	-	-	-	-	-
<i>Pimpinella diversifolia</i> DC	Diverse-leaf pimpinel	Apiaceae	H	-	-	-	-	-
<i>Pinus roxburghii</i> Sarg	Chil	Pinaceae	T	+	-	-	-	-
<i>Pinus wallichiana</i> (Wall ex D Don) AB	Kail	Pinaceae	T	+	-	+	-	-
Jacks								
<i>Piptanthus nepalensis</i> (Hook) Sweet	Evergreen laburnum	Fabaceae	Sh	-	-	-	-	-
<i>Pistacia chinensis</i> subsp <i>integerrima</i> (JL Stewart) Rech f	Kakarsinghi	Anacardiaceae	T	+	-	-	-	-
<i>Plantago himalaica</i> Pilg	Himalayan plantain	Plantaginaceae	H	+	-	-	-	-
<i>Plantago lanceolata</i> L	Ribwort plantain	Plantaginaceae	H	+	-	-	-	-
<i>Plantago major</i> L	Jangli isabgol	Plantaginaceae	H	+	-	-	-	-
<i>Plantago ovata</i> Forssk	Jungli isbagol	Plantaginaceae	H	+	-	-	-	-
<i>Plectranthus barbatus</i> Andrews	Makanthi	Lamiaceae	H	+	-	-	-	-
<i>Pleurospermum brunonis</i> (DC) Benth ex CB Clarke	Losar	Apiaceae	H	-	-	-	-	-
<i>Plumbago zeylanica</i> L	Chitrak	Plumbaginaceae	Sh	+	-	-	-	-
<i>Poa angustifolia</i> L	-	Poaceae	H	-	-	-	+	-
<i>Pogostemon parviflorus</i> Benth	-	Lamiaceae	H	+	-	-	-	-
<i>Polygala crotalarioides</i> Buch-Ham ex DC	Rattlepod milkwort	Polygalaceae	H	+	-	-	-	-
<i>Polygala furcata</i> Royle	Forked milkwort	Polygalaceae	H	-	-	-	-	-
<i>Polygonatum cirrhifolium</i> (Wall) Royle	Salam Mishri	Asparagaceae	H	+	-	-	-	-
<i>Polygonatum multiflorum</i> (L) All	Solomons seal	Asparagaceae	H	+	-	-	-	-
<i>Polygonatum verticillatum</i> (L) All	Salam Mishri	Asparagaceae	H	+	-	-	-	-
<i>Polygonum plebeium</i> R Br	Common knotweed	Polygonaceae	H	+	-	-	-	-
<i>Polygonum recumbens</i> Royle ex Bab	Creeping knotweed	Polygonaceae	H	-	-	-	-	-
<i>Polypogon fugax</i> Nees ex Steud	Beard grass	Poaceae	H	-	-	-	+	-
<i>Populus ciliata</i> Wall ex Royle	Poplar	Salicaceae	T	-	-	-	-	+
<i>Populus deltoides</i> W Bartram ex Marshall	Poplar	Salicaceae	T	-	-	-	-	+
<i>Potentilla argyrophylla</i> Wall ex Lehm	Silver-leaved cinquefoil	Rosaceae	H	-	-	-	-	-
<i>Potentilla atosanguinea</i> G Lodd ex D Don	Dori, cinquefoil	Rosaceae	H	-	-	-	-	-
<i>Potentilla fulgens</i> Wall ex Hook	Bajradanti	Rosaceae	H	+	-	-	-	-

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<i>Potentilla indica</i> (Andrews) Th Wolf	Berry	Rosaceae	H	+	-	-	-	-
<i>Potentilla nepalensis</i> Hook	Nepal cinquefoil	Rosaceae	H	-	-	-	-	-
<i>Potentilla supina</i> L	Spreading cinquefoil	Rosaceae	H	+	-	-	-	-
<i>Primula denticulata</i> Sm	Jaibeez	Primulaceae	H	-	-	-	-	-
<i>Primula floribunda</i> Wall	Buttercup primerose	Primulaceae	H	-	-	-	-	-
<i>Princepia utilis</i> Royle	Bhekhal	Rosaceae	Sh	+	-	-	-	-
<i>Prunella vulgaris</i> L	Pethu Ghass	Lamiaceae	H	+	-	-	-	-
<i>Prunus armeniaca</i> L	Khumani	Rosaceae	T	+	+	-	-	-
<i>Prunus cerasoides</i> D Don	Paja	Rosaceae	T	+	-	-	-	-
<i>Prunus cornuta</i> (Wall ex Royle) Steud	Himalayan bird cherry	Rosaceae	T	+	+	-	-	-
<i>Pseudocaryopteris bicolor</i> (Roxb ex Hardw) PD Cantino	Chingari, Ban Basuti	Verbenaceae	Sh	-	-	-	-	-
<i>Pteris vittata</i> L	Pteris	Pteridaceae	Frn	-	+	-	-	-
<i>Pterocyclus angelicoides</i> (DC) Klotzsch	Angelica-leaved pleurospermum	Apiaceae	H	-	-	-	-	-
<i>Pueraria tuberosa</i> (Roxb ex Willd) DC	Bidarikand	Fabaceae	C	+	-	-	-	-
<i>Punica granatum</i> L	Daru, Anaar	Lythraceae	T	+	+	-	-	-
<i>Pyracantha crenulata</i> (D Don) M Roem	Jangli Seb	Rosaceae	Sh	+	-	-	-	-
<i>Pyrus pashia</i> Buch-Ham ex D Don	Kainth	Rosaceae	T	+	+	-	-	-
<i>Quercus floribunda</i> Lindl ex A Camus	Mohru	Fagaceae	T	-	-	+	+	+
<i>Quercus leucotrichophora</i> A Camus	Ban	Fagaceae	T	-	-	+	+	+
<i>Quercus semecarpifolia</i> Sm	Kharshu	Fagaceae	T	-	-	+	+	-
<i>Ranunculus arvensis</i> L	Corn buttercup	Ranunculaceae	H	+	-	-	-	-
<i>Ranunculus distans</i> D Don	Cheerful buttercup	Ranunculaceae	H	-	-	-	-	-
<i>Ranunculus hirtellus</i> Royle	Goodi Serpetali	Ranunculaceae	H	-	-	-	-	-
<i>Ranunculus scleratus</i> L	Celerry-leaved buttercup	Ranunculaceae	H	-	-	-	-	-
<i>Raphanus raphanistrum</i> subsp <i>sativus</i> (L) Domin	Muli	Brassicaceae	H	-	+	-	-	-
<i>Rauvolfia serpentina</i> Benth ex Kurz	Sarpgandha	Apocynaceae	Sh	+	-	-	-	-
<i>Reinwardtia indica</i> Dumort.	Piyan, yellow flax	Linaceae	H	+	-	-	-	-
<i>Remusatia pumila</i> (D Don) H Li & A Hay	Dwarf Taro	Araceae	H	+	-	-	-	-
<i>Remusatia vivipara</i> (Roxb) Schott	Hitchhiker elephant ear	Araceae	H	+	-	-	-	-
<i>Rhamnus purpurea</i> Edgew	Chaunsha	Rhamnaceae	Sh	+	-	-	-	-
<i>Rhamnus triquetra</i> (Wall) Brandis	Gonta	Rhamnaceae	T	+	-	-	-	-
<i>Rhamnus virgata</i> Roxb	Cane buckthorn	Rhamnaceae	Sh	-	-	-	+	-
<i>Rheum australe</i> D Don	Chuchi	Polygonaceae	H	+	-	-	-	-
<i>Rheum moorcroftianum</i> Royle	Chukhri	Polygonaceae	H	+	-	-	-	-
<i>Rhodiola heterodonta</i> (Hook f & Thomson) Boriss	Salai	Crassulaceae	H	-	-	-	-	-
<i>Rhododendron anthopogon</i> D Don	Talshi, Tarjhipaan	Ericaceae	Sh	+	-	-	-	-
<i>Rhododendron arboreum</i> Sm	Buras	Ericaceae	T	+	+	-	-	-
<i>Rhododendron campanulatum</i> D Don	Shargal	Ericaceae	Sh	+	-	-	-	-
<i>Rhododendron lepidotum</i> Wall ex G Don	Talshi	Ericaceae	Sh	-	-	+	-	-
<i>Rhynchosia himalensis</i> Benth ex Baker	Himalan snoutbean	Fabaceae	C	+	+	-	-	-
<i>Rhynchosia minima</i> (L) DC	Burn-mouth vine	Fabaceae	C	+	-	-	-	-
<i>Rhynchospermum verticillatum</i> Reinw	-	Asteraceae	H	-	-	-	-	-
<i>Ribes alpestre</i> Wall ex Decne	Asian gooseberry	Grossulariaceae	Sh	-	+	-	-	-
<i>Ribes glaciale</i> Wall	Friilly leaf currant	Grossulariaceae	Sh	-	+	-	-	-
<i>Ribes himalense</i> Royle ex Decne	Himalayan gooseberry	Grossulariaceae	Sh	+	+	-	-	-
<i>Ricinus communis</i> L	Arund	Euphorbiaceae	Sh	+	-	-	-	-
<i>Robinia pseudoacacia</i> L	Kala Siris	Fabaceae	T	-	-	-	+	-

Taxa	Local /common name	Family	H	M	E	Fu	Fo	Ti
<i>Rorippa indica</i> (L) Hiern	Petu	Brassicaceae	H	+	-	-	-	-
<i>Rosa brunonii</i> Lindl	Himalayan musk rose	Rosaceae	Sh	+	-	-	-	-
<i>Rosa canina</i> L	Dog roses	Rosaceae	Sh	+	-	-	-	-
<i>Rosa macrophylla</i> Lindl	Musk rose	Rosaceae	Sh	+	-	-	-	-
<i>Rosa moschata</i> Herrm	Kuja	Rosaceae	Sh	+	-	-	-	-
<i>Rosa rubiginosa</i> L	Austrian copper rose	Rosaceae	Sh	+	-	-	-	-
<i>Rosa sericea</i> Lindl	Silky rose	Rosaceae	Sh	+	-	-	-	-
<i>Roscoeia alpina</i> Royle	Mountain roscoe lily	Zingiberaceae	H	-	-	-	-	-
<i>Roscoeia purpurea</i> Sm	Purple roscoe lily	Zingiberaceae	H	+	-	-	-	-
<i>Rosmarinus eriocalyx</i> Jord & Fourr	Shola	Lamiaceae	Sh	+	-	-	-	-
<i>Rostellularia mollissima</i> (Nees) Nees	Water-willow	Acanthaceae	H	-	-	-	-	-
<i>Rosularia rosulata</i> (Edgew) H Ohba	Moshu Ghaas	Crassulaceae	H	+	-	-	-	-
<i>Roylea cinerea</i> Baill	Karu	Lamiaceae	Sh	+	-	-	-	-
<i>Rubia cordifolia</i> L	Jamithi	Rubiaceae	H	+	-	-	-	-
<i>Rubus biflorus</i> Buch-Ham ex Sm	Two-flower raspberry	Rosaceae	Sh	-	+	-	-	-
<i>Rubus ellipticus</i> Sm	Kala Aanch, Aakh	Rosaceae	Sh	+	+	-	-	-
<i>Rubus macilentus</i> Cambess	Lean raspberry	Rosaceae	Sh	-	-	-	-	-
<i>Rubus niveus</i> Thunb	Mysore raspberry	Rosaceae	Sh	-	+	-	-	-
<i>Rubus paniculatus</i> Sm	Lal Aancha	Rosaceae	Sh	+	+	-	-	-
<i>Rumex hastatus</i> D Don	Bhilmora, arrow leaf dock	Polygonaceae	H	+	-	-	-	-
<i>Rumex nepalensis</i> Spreng	Malora/Albar	Polygonaceae	H	+	-	-	-	-
<i>Saccharum filifolium</i> Steud	Munja	Poaceae	H	-	-	-	+	-
<i>Saccharum spontaneum</i> L	Piloo	Poaceae	H	-	-	-	+	-
<i>Selinum candollei</i> DC	-	Apiaceae	H	-	-	-	-	-
<i>Selinum tenuifolium</i> Wall	Matoshal	Apiaceae	H	+	-	-	-	-
<i>Salix accutifolia</i> Willd	Kashmehal	Salicaceae	T	-	-	-	-	-
<i>Salix tetrasperma</i> Roxb	Biunsh	Salicaceae	T	+	-	-	-	-
<i>Salvadora persica</i> L	Miswak	Salvadoraceae	T	+	-	-	-	-
<i>Salvia moorcroftiana</i> Wall ex Benth	Thuth, Halu and Papra	Lamiaceae	H	+	-	-	-	-
<i>Salvia mukerjeei</i> Bennet & Raizada	Gawandru	Lamiaceae	H	+	-	-	-	-
<i>Salvia plebeia</i> R Br	Common sage	Lamiaceae	H	+	-	-	-	-
<i>Salvia strobilifera</i> (Benth) JG González	-	Lamiaceae	H	-	-	-	-	-
<i>Sapindus mukorossi</i> Gaertn	Ritha, Doda	Sapindaceae	T	+	-	-	-	-
<i>Sarcococca saligna</i> Müll Arg	Chirbeeri	Buxaceae	Sh	+	-	-	-	-
<i>Satyrium nepalense</i> D Don	Nepal satyrium	Orchidaceae	H	+	-	-	-	-
<i>Sauromatum venosum</i> (Dryand ex Aiton) Kunth	Voodoo lily	Araceae	H	-	-	-	-	-
<i>Saussurea costus</i> (Falc) Lipsch	Kuth, Pachak	Asteraceae	H	+	-	-	-	-
<i>Saxifraga diversifolia</i> Wall ex Ser	-	Saxifragaceae	H	+	-	-	-	-
<i>Schisandra grandiflora</i> (Wall) Hook f & Thomson	Large-flowered Magnolia vine	Schisandraceae	C	-	+	-	-	-
<i>Schizotechium monospermum</i> (Buch-Ham ex D Don) Pusalkar & SK Srivast	Crisp starwort	Caryophyllaceae	H	-	-	-	-	-
<i>Sclerocarpus africanus</i> Jacq	Bonebract	Asteraceae	H	+	-	-	-	-
<i>Scrophularia himalensis</i> Royle ex Benth	Himalayan figwort	Scrophulariaceae	H	-	-	-	-	-
<i>Scutellaria grossa</i> Wall	Mussoorie skullcap	Lamiaceae	H	+	-	-	-	-
<i>Scutellaria scandens</i> D Don	Climbing skullcap	Lamiaceae	H	+	-	-	-	-
<i>Searsia parviflora</i> (Roxb) FA Barkley	Tintidikah	Anacardiaceae	T	-	-	-	-	-
<i>Sedum multicaule</i> Wall ex Lindl	Multi-stem seedum	Crassulaceae	H	+	-	-	-	-
<i>Selinum carvifolia</i> (L) L	-	Apiaceae	H	-	-	-	-	-
<i>Selinum vaginatum</i> (Edgew) CB Clarke	Bhutkeshi	Apiaceae	H	+	-	-	-	-

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<i>Senecio chrysanthemoides</i> DC	Cheerful scenecio	Asteraceae	H	+	-	-	-	-
<i>Senecio graciliflorus</i> DC	Graceful senecio	Asteraceae	H	+	-	-	-	-
<i>Senna corymbosa</i> (Lam) HS Irwin & Barneby	Argentina senna	Fabaceae	H	+	-	-	-	-
<i>Senna obtusifolia</i> (L) HS Irwin & Barneby	Wild senna	Caesalpiniaceae	H	+	-	-	-	-
<i>Sesamum indicum</i> L	Safed til, sesame	Pedaliaceae	H	+	+	-	-	-
<i>Setaria italica</i> (L) P Beauv	Kauni, foxtail millet	Poaceae	H	+	+	-	-	-
<i>Sida cordata</i> (Burm f) Borss Waalk	Pharendbuti	Malvaceae	H	+	-	-	-	-
<i>Sigesbeckia orientalis</i> L	Indian weed	Asteraceae	H	+	+	-	-	-
<i>Silene conoidea</i> L	Large sand catchfly	Caryophyllaceae	H	+	-	-	-	-
<i>Silene edgeworthii</i> Bocquet	Fringed campion, Gandoli	Caryophyllaceae	H	-	-	-	-	-
<i>Silene vulgaris</i> (Moench) Garcke	Gudhlu	Caryophyllaceae	H	-	-	-	-	-
<i>Sinopodophyllum hexandrum</i> (Royle) TS Ying	Ban Kakri	Podophyllaceae	H	+	-	-	-	-
<i>Sisymbrium officinale</i> (L) Scop	-	Brassicaceae	H	+	-	-	-	-
<i>Skimmia laureola</i> (DC) Decne	Nair	Rutaceae	Sh	+	-	-	-	-
<i>Smilax aspera</i> L	Kukardara	Smilacaceae	C	+	+	-	-	-
<i>Solanum anguivi</i> Lam	Kantkari, poison berry	Solanaceae	H	+	-	-	-	-
<i>Solanum laciniatum</i> Aiton	Kangaroo apple	Solanaceae	H	+	-	-	-	-
<i>Solanum nigrum</i> L	Makoi	Solanaceae	H	+	+	-	-	-
<i>Solanum virginianum</i> L	Kantkari	Solanaceae	H	+	-	-	-	-
<i>Solena umbellata</i> (J G Klein ex Willd) WJ de Wilde & Dufjes	-	Cucurbitaceae	C	-	-	-	-	-
<i>Solidago virga-aurea</i> L	Himalayan goldenrod	Asteraceae	H	+	-	-	-	-
<i>Sonchus arvensis</i> L	Field milk thistle	Asteraceae	H	+	-	-	-	-
<i>Sonchus asper</i> (L) Hill	Prickly sowthistle	Asteraceae	H	+	-	-	-	-
<i>Sonchus oleraceus</i> L	Dudhli	Asteraceae	H	+	-	-	-	-
<i>Sopubia trifida</i> Buch-Ham ex D Don	Split leaf sopubia	Scrophulariaceae	H	-	-	-	-	-
<i>Spergularia arvensis</i> L	Corn spurry	Caryophyllaceae	H	+	+	-	-	-
<i>Spermacoce ocymoides</i> Burm f	False buttonweed	Rubiaceae	H	+	-	-	-	-
<i>Spermadictyon suaveolens</i> Roxb	Forest Champa	Rubiaceae	Sh	+	-	-	-	-
<i>Sphaeranthus indicus</i> L	Mundi	Asteraceae	H	+	-	-	-	-
<i>Spinacia oleracea</i> L	Palak	Amaranthaceae	H	+	+	-	-	-
<i>Spiraea bella</i> Sims	Pretty spirea	Rosaceae	Sh	+	-	-	-	-
<i>Spiraea canescens</i> D Don	Grey stem spirea	Rosaceae	Sh	-	-	-	-	-
<i>Spiranthes sinensis</i> (Pers) Ames	Chinese spiranthes	Orchidaceae	H	+	-	-	-	-
<i>Stachys sericea</i> Cav	-	Lamiaceae	H	-	-	-	-	-
<i>Stachys splendens</i> Wall ex Benth	Himalayan wondwort	Lamiaceae	H	-	-	-	-	-
<i>Stellaria aquatica</i> Scop	Water chickweed	Caryophyllaceae	H	+	-	-	-	-
<i>Stellaria media</i> (L) Vill	Chickweed	Caryophyllaceae	H	+	-	-	-	-
<i>Stephania rotunda</i> Lour	Snake vine	Menispermaceae	C	+	-	-	-	-
<i>Strobilanthes attenuata</i> (Wall ex Nees) Jacq ex Nees	-	Acanthaceae	H	-	-	-	-	-
<i>Strobilanthes alata</i> Blume	-	Acanthaceae	H	-	-	-	-	-
<i>Strobilanthes atropurpureus</i> Nees	Mashna, Dhuba	Acanthaceae	H	-	-	-	-	-
<i>Strobilanthes wallichii</i> Nees	Kashmir acanthus	Acanthaceae	H	-	-	-	-	-
<i>Styphnolobium japonicum</i> (L) Schott	-	Fabaceae	T	+	-	-	-	-
<i>Swertia alata</i> (D Don ex G Don) Royle ex CB Clarke	Winged-stem swertia	Gentianaceae	H	+	-	-	-	-
<i>Swertia angustifolia</i> Buch-Ham ex D Don	Narrow leaved swertia	Gentianaceae	H	+	-	-	-	-
<i>Swertia cordata</i> (G Don) Wall ex CB Clarke	Heart-leaf swertia	Gentianaceae	H	+	-	-	-	-

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<i>Swertia paniculata</i> Wall	Panicled swertia	Gentianaceae	H	+	-	-	-	-
<i>Swertia petiolata</i> D Don	Stalked leaf swertia	Gentianaceae	H	+	-	-	-	-
<i>Swertia purpurascens</i> (D Don) CB Clarke	Charata	Gentianaceae	H	+	-	-	-	-
<i>Symplocos paniculata</i> (Thunb) Miq	-	Symplocaceae	T	-	-	-	-	-
<i>Synedrella nodiflora</i> (L) Gaertn	Cindrella weed	Asteraceae	H	-	-	-	-	-
<i>Syzygium cumini</i> (L) Skeels	Jamun	Myrtaceae	T	+	+	-	-	-
<i>Tagetes minuta</i> L	Jangliganda	Asteraceae	H	+	-	-	-	-
<i>Tagetes patula</i> L	Satraz	Asteraceae	H	+	-	-	-	-
<i>Tagetes tenuifolia</i> Cav	-	Asteraceae	H	+	-	-	-	-
<i>Tanacetum longifolium</i> Thunb	Ghugglu	Asteraceae	H	+	-	-	-	-
<i>Taraxacum officinale</i> FH Wigg	Kanphul	Asteraceae	H	+	-	-	-	-
<i>Tateishia concinna</i> (DC) H Ohashi & K Ohashi	Blue desmodium	Fabaceae	Sh	-	-	-	-	-
<i>Taxillus vestitus</i> Danser	Kukardari	Loranthaceae	Sh	-	-	-	-	-
<i>Taxus wallichiana</i> Zucc	Rakhal	Taxaceae	T	+	-	-	-	-
<i>Tecoma stans</i> (L) Juss ex Kunth	Yellow alder	Bignoniaceae	Sh	-	-	+	-	-
<i>Telosma pallida</i> (Roxb) Craib	Telosma vine	Asclepiadaceae	C	+	-	-	-	-
<i>Tenaxia cachemyriana</i> (Jaub & Spach) NP Barker & HP Linder	-	Poaceae	H	-	-	-	-	-
<i>Tephrosia purpurea</i> (L) Pers	Sarphonk	Fabaceae	H	+	-	-	-	-
<i>Terminalia bellirica</i> (Gaertn) Roxb	Baheda	Combretaceae	T	+	-	-	-	-
<i>Terminalia chebula</i> Retz	Harad	Combretaceae	T	+	-	-	-	-
<i>Tetrataenium wallichii</i> (DC) Manden	Wallich's hogweed	Apiaceae	H	-	-	-	-	-
<i>Teucrium quadrifarium</i> Buch-Ham	-	Lamiaceae	H	-	-	-	-	-
<i>Tinospora glabra</i> (Burm f) Merr	Coralbead	Menispermaceae	C	+	-	-	-	-
<i>Thalictrum foliolosum</i> DC	Mamiri	Ranunculaceae	H	+	-	-	-	-
<i>Thalictrum javanicum</i> Blume	-	Ranunculaceae	H	-	-	-	-	-
<i>Thalictrum rostellatum</i> Hook f & Thomson	-	Ranunculaceae	H	-	-	-	-	-
<i>Thamnocalamus spathiflorus</i> (Trin) Munro	Ringal	Poaceae	H	-	-	-	-	-
<i>Themeda anathera</i> (Nees ex Steud) Hack	Dhonlu	Poaceae	H	-	-	-	-	-
<i>Thermopsis barbata</i> Benth	-	Fabaceae	H	-	-	-	-	-
<i>Thlaspi arvense</i> L	Treka, Bulbuli	Brassicaceae	H	+	-	-	-	-
<i>Thymus linearis</i> Benth	Ban Ajwain	Lamiaceae	H	+	-	-	-	-
<i>Thymus serpyllum</i> L	Ban-Ajwain, Lepto	Lamiaceae	H	+	-	-	-	-
<i>Thymus vulgaris</i> L	Ban-Ajwain	Lamiaceae	H	+	-	-	-	-
<i>Tinospora cordifolia</i> (Willd) Miers ex Hook f & Thomson	Giloy	Menispermaceae	C	+	-	-	-	-
<i>Toona ciliata</i> M Roem	Toon, Darn	Meliaceae	T	+	-	-	+	+
<i>Torenia cordifolia</i> Roxb	Heart leaf wishbone flower	Linderniaceae	H	-	-	-	-	-
<i>Toxicodendron wallichii</i> (Hook f) Kuntze	Himalayan poison oak	Anacardiaceae	T	+	-	-	-	-
<i>Trachelospermum lucidum</i> K Schum	Shining star Jasmin	Apocynaceae	Sh	-	-	-	-	-
<i>Tragopogon gracilis</i> D Don	Slender salsify	Asteraceae	H	-	+	-	-	-
<i>Trichodesma indicum</i> (L) R Br	Indian Borage	Boraginaceae	H	+	-	-	-	-
<i>Tricholepis elongata</i> DC	Yellow camel thistle	Asteraceae	H	-	-	-	-	-
<i>Trichosanthes tricuspidata</i> Lour	Bitter snake gourd	Cucurbitaceae	C	+	-	-	-	-
<i>Tridax procumbens</i> L	-	Asteraceae	H	+	-	-	-	-
<i>Trifolium pretense</i> L	Red clover	Fabaceae	H	-	-	-	+	-
<i>Trifolium repens</i> L	White clover	Fabaceae	H	-	-	-	+	-
<i>Trigastrotheca stricta</i> (L) Thulin	Erect carpetweed	Molluginaceae	H	+	-	-	-	-
<i>Trigonella emodi</i> Benth	Himalayan fenugreek	Fabaceae	H	+	-	-	-	-

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<i>Trigonella gracillis</i> Benth	Slender fenugreek	Fabaceae	H	+	-	-	-	-
<i>Trigonella foenum-graecum</i> L		Fabaceae	H	+	-	-	-	-
<i>Trillium govanianum</i> Wall ex D Don	Nag Chatari	Melanthaceae	H	+	-	-	-	-
<i>Tripogon filiformis</i> Nees ex Steud	Five minute grass	Poaceae	H	-	-	-	+	-
<i>Triumfetta annua</i> L	Common burbush	Tiliaceae	H	-	+	-	-	-
	paroquet-bur							
<i>Triumfetta pilosa</i> Roth	Hairy burrbush	Tiliaceae	H	+	-	-	-	-
<i>Triumfetta rhomboidea</i> Jacq	Chinese bur	Tiliaceae	H	+	-	-	-	-
<i>Tulipa clusiana</i> Redouté	Lady tulip	Liliaceae	H	-	-	-	-	-
<i>Turritis glabra</i> L	Tower mustard	Brassicaceae	H	+	-	-	-	-
<i>Typha angustifolia</i> L	Ramban	Typhaceae		-	+	-	-	-
<i>Ulmus wallichiana</i> Planch	Mahun	Ulmaceae	T	+	-	-	-	-
<i>Urochloa setigera</i> (Retz) Stapf	-	Poaceae	H	-	-	-	+	-
<i>Uraria lagopodoides</i> (L) DC	Prishanparni	Fabaceae	H	-	-	-	-	-
<i>Urtica dioica</i> L	Kungashi	Urticaceae	H	+	+	-	-	-
<i>Urtica hyperborean</i> Jacquem ex Wedd	-	Urticaceae	H	-	+	-	-	-
<i>Vaccaria hispanica</i> (Mill) Rauschert	Soapwort	Caryophyllaceae	H	+	-	-	-	-
<i>Valeriana hardwickii</i> Wall	Nihanu, Mushakbala	Valerianaceae	H	+	-	-	-	-
<i>Valeriana jatamansi</i> Jones ex Roxb	Nihani	Valerianaceae	H	+	-	-	-	-
<i>Vallaris solanacea</i> Kuntze	Bread flower	Apocynaceae	C	-	-	-	-	-
<i>Vanda cristata</i> Wall ex Lindl	Comb Trudelia	Orchidaceae	H	-	-	-	-	-
<i>Verbascum Thapsus</i> L	Budira Logad	Scrophulariaceae	H	+	-	-	-	-
<i>Verbena officinalis</i> L	Common Verbena	Verbenaceae	H	+	-	-	-	-
<i>Veronica arvensis</i> L	Winter speedwell	Plantaginaceae	H	+	-	-	-	-
<i>Veronica biloba</i> Schreb ex L	Twolobe speedwell	Plantaginaceae	H	+	-	-	-	-
<i>Veronica javanica</i> Blume	Java speedwell	Plantaginaceae	H	-	-	-	-	-
<i>Veronica persica</i> Poir	Persian speedwell	Plantaginaceae	H	-	-	-	-	-
<i>Viburnum cotonifolium</i> D Don	Padada	Viburnaceae	Sh	-	-	-	-	-
<i>Viburnum cylindricum</i> Buch-Ham ex D Don	Cylindrical viburnum	Viburnaceae	Sh	-	-	-	-	-
<i>Viburnum mullaha</i> Buch-Ham ex D Don	Starry viburnum	Viburnaceae	Sh	-	-	-	-	-
<i>Vicia hirsuta</i> (L) Gray	Tiny vetch	Fabaceae	C	-	+	-	+	-
<i>Vicia rigidula</i> Royle	-	Fabaceae	C	-	-	-	+	-
<i>Vicia tenera</i> Benth	Delicate Himalayan vetch	Fabaceae	C	-	-	-	+	-
<i>Vicoa indica</i> (L) DC	-	Asteraceae	H	+	-	-	-	-
<i>Vigna vexillata</i> (L) A Rich	Wild cow pea	Fabaceae	H	+	-	-	-	-
<i>Vinca major</i> L	Blue periwinkle	Apocynaceae	H	+	-	-	-	-
<i>Vincetoxicum hirsutum</i> (Wall) Wight	Hairy Ipecac, Dama Buti	Asclepiadaceae	C	+	-	-	-	-
<i>Vincetoxicum glaucum</i> (Wall ex Wight) Rech f	Sand vine	Apocynaceae	Sh	+	-	-	-	-
<i>Vincetoxicum hirundinaria</i> Medik	White swallow wort	Apocynaceae	Sh	+	-	-	-	-
<i>Viola biflora</i> L	Banafsha	Violaceae	H	+	-	-	-	-
<i>Viola canescens</i> Wall	Banafasha	Violaceae	H	+	-	-	-	-
<i>Viola odorata</i> L	Banafsha	Violaceae	H	+	-	-	-	-
<i>Viola pilosa</i> Blume	Banafsha	Violaceae	H	+	-	-	-	-
<i>Viscum album</i> L	Rinni	Santalaceae	Par	+	-	-	-	-
<i>Vitex negundo</i> L	Banthan	Verbenaceae	Sh	+	-	-	-	-
<i>Vitis flexuosa</i> var <i>flexuosa</i>	-	Vitaceae	C	+	+	-	-	-
<i>Vitis heyneana</i> var <i>heyneana</i>	Grape	Vitaceae	C	-	-	-	-	-
<i>Vitis vinifera</i> L	Grapes	Vitaceae	C	+	+	-	-	-
<i>Wahlenbergia littoralis</i> (Labill) Sweet	Australian bluebell	Campanulaceae	H	-	-	-	-	-

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<i>Wendlandia heynei</i> (Schult) Santapau & Merchant	Long-stamen wendlandia	Rubiaceae	T	+	-	-	-	-
<i>Wikstroemia canescens</i> Meisn	Bhojshel	Thymelaeaceae	Sh	-	-	-	-	-
<i>Withania somnifera</i> (L) Dunal	Ashwagandha	Solanaceae	Sh	+	-	-	-	-
<i>Woodfordia fruticosa</i> (L) Kurz	Dhai	Lythraceae	Sh	+	-	-	-	-
<i>Wulfeniopsis amherstiana</i> (Benth) DY Hong	Himalayan wulfwenia	Scrophulariaceae	H	-	-	-	-	-
<i>Xanthium strumarium</i> L	Common cocklebur, Sungtu	Asteraceae	H	+	-	-	-	-
<i>Xylosma longifolium</i> Clos	Longleaf logwood	Salicaceae	T	+	-	-	-	-
<i>Youngia japonica</i> (L) DC	Oriental false hawksbeard	Asteraceae	H	+	-	-	-	-
<i>Yucca aloifolia</i> L	Dagger plant	Asparagaceae	Sh	+	+	-	-	-
<i>Yucca gloriosa</i> L	Spanish dagger	Asparagaceae	Sh	-	-	-	-	-
<i>Zanthoxylum armatum</i> DC	Timber	Rutaceae	Sh	+	-	-	-	-
<i>Zephyranthes candida</i> (Lindl) Herb	Keser	Amaryllidaceae	H	-	-	-	-	-
<i>Zinnia elegans</i> Jacq	Common zinnia	Asteraceae	H	-	-	-	-	-
<i>Zinnia peruviana</i> (L) L	Field zinnia	Asteraceae	H	-	-	-	-	-
<i>Ziziphus nummularia</i> (Burm f) Wight & Arn	Ber	Rhamnaceae	Sh	+	+	-	-	-
Total	-	-	-	626	102	22	74	27

T = Tree, Sh = Shrub, H = Herb, C = Climber, Frn = Fern, E = Edible, Fo = Fodder, Fu = Fuel, M = Medicinal and aromatic plant, Ti = Timber, Par = Parasite

study was conducted to enumerate the floristic diversity of altitude zone (800-3,200 m amsl) in the outer Seraj region of Kullu district, Himachal Pradesh. In the present study 931 species of vascular plants (angiosperms and gymnosperms) belonging from 142 families and 605 genera were recorded. This indicated that the representative site and altitude zone had a significant proportion of the total floristic diversity of Kullu district and the Himalaya as well. The insight developed would be beneficial for policy makers, forest department, entrepreneurs, academicians, naturalist, conservationist etc for developing effective and practically feasible conservation strategies and management plans for conservation of floristic diversity and socio-economic development of local communities.

CONCLUSION

The present floristic inventory documented about 931 species belonging to 605 genera and 142 families. The study intended to identify the floral species present in the area, their socio-economic importance and analyze the floral species diversity. Biodiversity degradation primarily due to continuous deforestation makes every floristic diversity assessment even more important. Important floristic and socio-economic

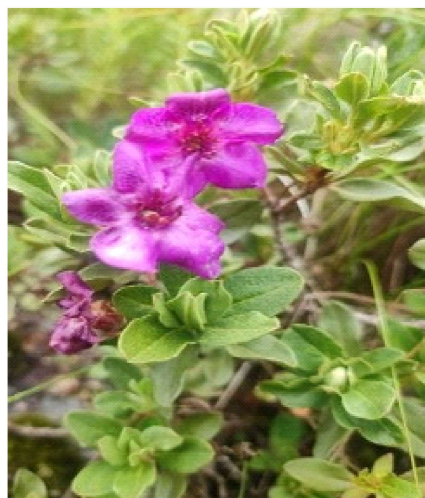
information of plant diversity derived from this study is highly recommended as reference information in developing and formulating the conservation and management plan for policy makers, forest department, naturalists, conservationists etc.

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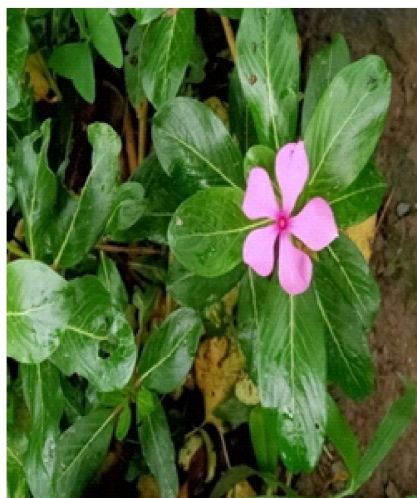
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Rhododendron lepidotum



Catharanthus roseus



Thymus linearis



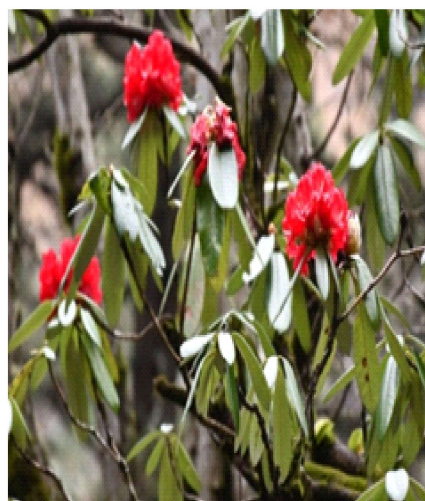
Prunus cornuta



Achillea millefolium



Verbascum thapsus



Rhododendron arboreum



Bistorta affinis



Myrica esculenta

Plate 1. Some important plant species of outer Seraj area of district Kullu, Himachal Pradesh

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