

# 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 km<sup>2</sup> 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).

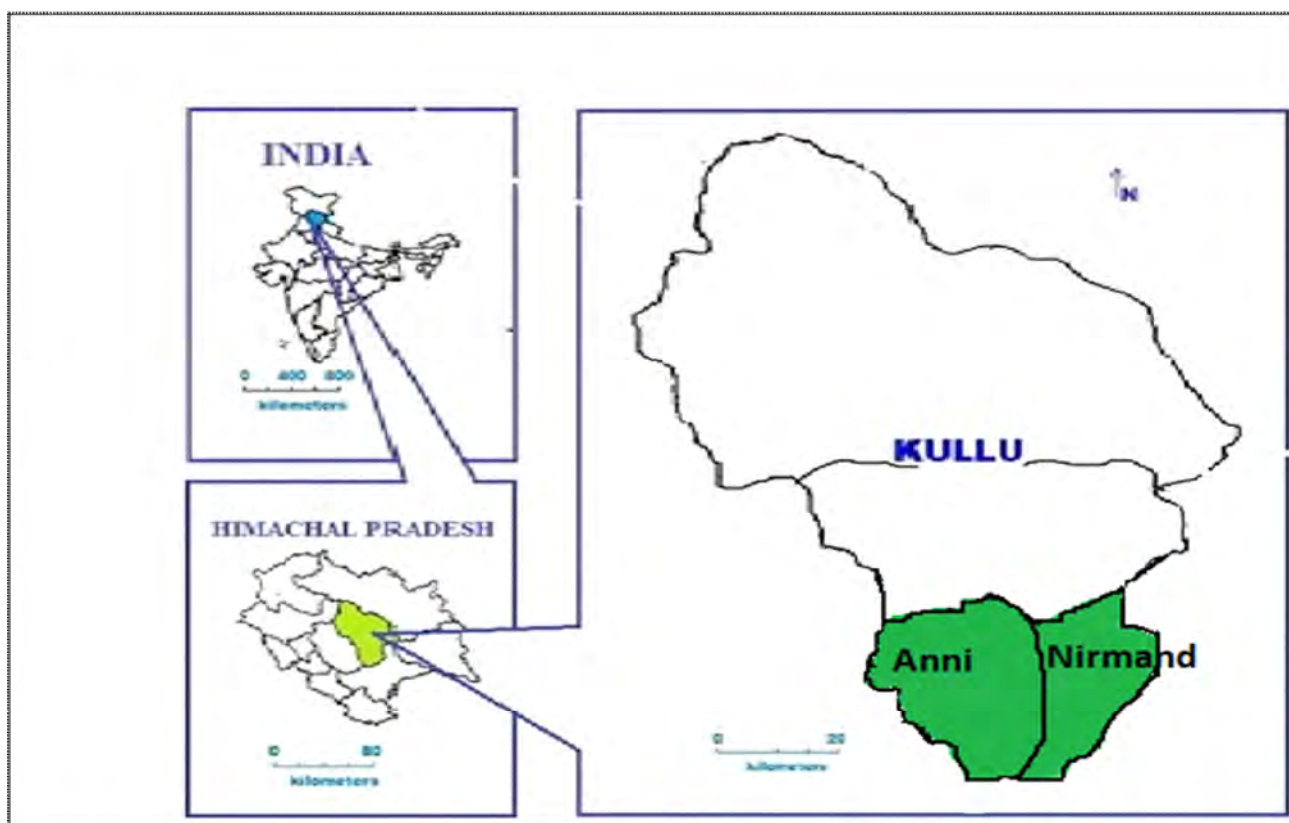


Fig 1. Map of outer Seraj region depicting study area

## 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

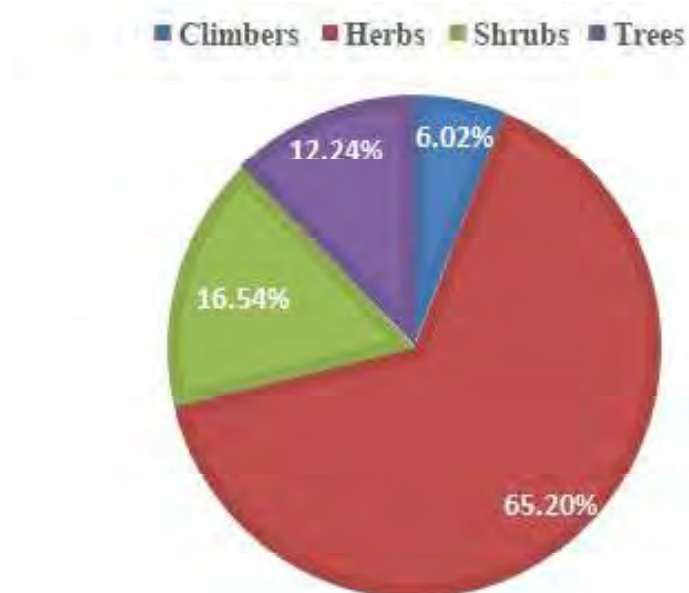
| Component | Dicots |       | Monocots |       |
|-----------|--------|-------|----------|-------|
|           | Number | %     | Number   | %     |
| Families  | 115    | 86.47 | 18       | 13.53 |
| Genera    | 504    | 84.56 | 92       | 15.44 |
| Species   | 782    | 85.65 | 131      | 14.35 |

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>Adenostemma 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                                | Ghrirkumari                | 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 | + | - | -  | -  | -  |

| Taxa                                                 | Local /common name         | Family           | H  | M | E | Fu | Fo | Ti |
|------------------------------------------------------|----------------------------|------------------|----|---|---|----|----|----|
| <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 | + | + | -  | -  | -  |

| Taxa                                                                       | Local /common name           | Family          | H  | M | E | Fu | Fo | Ti |
|----------------------------------------------------------------------------|------------------------------|-----------------|----|---|---|----|----|----|
| <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                      | Caesalpinaceae  | 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                  | Caesalpinaceae  | 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 buehanianiana</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 | - | - | -  | -  | -  |

| Taxa                                                            | Local /common name          | Family         | H  | M | E | Fu | Fo | Ti |
|-----------------------------------------------------------------|-----------------------------|----------------|----|---|---|----|----|----|
| <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<br>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<br>catmint    | Lamiaceae      | H  | + | - | -  | -  | -  |
| <i>Crepis foetida</i> L                                         | Stinking hawksbeard         | Asteraceae     | H  | + | - | -  | -  | -  |
| <i>Crepis sancta</i> subsp. <i>falconeri</i> (Hook f)<br>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<br>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 orchioidea</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<br>ironweed | Asteraceae     | H  | + | - | -  | -  | -  |
| <i>Cyathocline purpurea</i> (Buch-Ham ex<br>D Don) Kuntze       | Gangotra                    | Asteraceae     | H  | + | - | -  | -  | -  |
| <i>Cyathula capitata</i> Moq                                    | Litra                       | Amaranthaceae  | Sh | - | - | -  | -  | -  |
| <i>Cyathula tomentosa</i> Moq                                   | Wooly pastureweed,<br>Litra | Amaranthaceae  | Sh | + | - | -  | -  | -  |
| <i>Cymbopogon citratus</i> (DC) Stapf                           | Lemon grass                 | Poaceae        | H  | + | + | -  | -  | -  |
| <i>Cymbopogon flexuosus</i> (Nees ex<br>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<br>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  | - | - | -  | -  | -  |

| Taxa                                                               | Local /common name          | Family          | H   | M | E | Fu | Fo | Ti |
|--------------------------------------------------------------------|-----------------------------|-----------------|-----|---|---|----|----|----|
| <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   | + | - | -  | -  | -  |

| Taxa                                                       | Local /common name          | Family        | H  | M | E | Fu | Fo | Ti |
|------------------------------------------------------------|-----------------------------|---------------|----|---|---|----|----|----|
| <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  | - | + | -  | -  | -  |

| Taxa                                                         | Local /common name          | Family         | H  | M | E | Fu | Fo | Ti |
|--------------------------------------------------------------|-----------------------------|----------------|----|---|---|----|----|----|
| <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 diphyrena</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  | - | - | -  | -  | -  |

| Taxa                                                            | Local /common name                    | Family        | H  | M | E | Fu | Fo | Ti |
|-----------------------------------------------------------------|---------------------------------------|---------------|----|---|---|----|----|----|
| <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>Lespedeza gerardiana</i> Wall ex Maxim                       | Bush clover                           | Fabaceae      | H  | - | - | -  | -  | -  |
| <i>Lespedeza 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>Lindlofia longiflora</i> Baill                               | Himalayan lungwort                    | Boraginaceae  | H  | - | - | -  | -  | -  |

| Taxa                                                                      | Local /common name         | Family         | H  | M | E | Fu | Fo | Ti |
|---------------------------------------------------------------------------|----------------------------|----------------|----|---|---|----|----|----|
| <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  | + | - | -  | -  | -  |

| Taxa                                                                  | Local /common name       | Family        | H   | M | E | Fu | Fo | Ti |
|-----------------------------------------------------------------------|--------------------------|---------------|-----|---|---|----|----|----|
| <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   | - | - | -  | -  | -  |

| Taxa                                                                   | Local /common name       | Family          | H  | M | E | Fu | Fo | Ti |
|------------------------------------------------------------------------|--------------------------|-----------------|----|---|---|----|----|----|
| <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 atrosanguinea</i> G Lodd ex D Don                        | Dori, cinquefoil         | Rosaceae        | H  | - | - | -  | -  | -  |
| <i>Potentilla fulgens</i> Wall ex Hook                                 | Bajradanti               | Rosaceae        | H  | + | - | -  | -  | -  |

| Taxa                                                        | Local /common name            | Family          | H   | M | E | Fu | Fo | Ti |
|-------------------------------------------------------------|-------------------------------|-----------------|-----|---|---|----|----|----|
| <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                   | Sarggandha                    | 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                                  | Frilly 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  | + | - | -  | -  | -  |

| Taxa                                                              | Local /common name       | Family           | H  | M | E | Fu | Fo | Ti |
|-------------------------------------------------------------------|--------------------------|------------------|----|---|---|----|----|----|
| <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  | + | - | -  | -  | -  |

| Taxa                                                             | Local /common name         | Family         | H  | M | E | Fu | Fo | Ti |
|------------------------------------------------------------------|----------------------------|----------------|----|---|---|----|----|----|
| <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  | + | - | -  | -  | -  |

| Taxa                                               | Local /common name       | Family           | H   | M | E | Fu | Fo | Ti |
|----------------------------------------------------|--------------------------|------------------|-----|---|---|----|----|----|
| <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   | - | - | -  | -  | -  |

| Taxa                                                  | Local /common name        | Family           | H  | M          | E          | Fu        | Fo        | Ti        |
|-------------------------------------------------------|---------------------------|------------------|----|------------|------------|-----------|-----------|-----------|
| <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 | +          | +          | -         | -         | -         |
| <b>Total</b>                                          | -                         | -                | -  | <b>626</b> | <b>102</b> | <b>22</b> | <b>74</b> | <b>27</b> |

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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*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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