

Flowering plants of Sarkuwa VDC, Baglung, Western Nepal

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Abstract

The study was conducted in Sarkuwa VDC of Baglung district, Western Nepal to explore and document the flowering plants. Altogether 127 species of plants belonging to 108 genera and 53 families were collected. Dominant families of the study area are Moraceae with 11 species, Asteraceae with 9 species, Fabaceae and Euphorbiaceae with 8 species, Lamiaceae and Verbenaceae with 5 species and Anacardiaceae, Meliaceae, Poaceae with 4 species. Among the 127 species, trees are dominant in species composition attaining 39.37 of the whole floristic value, shrub with 27.55%, herb with 25.19%, and climber with 5.15%, under shrub with 1.57% and finally parasite by attaining 0.78%.

Key words: Dominant families, Floristic value, Medicinal plants

Introduction

Nepal is a small country occupying an area of 147,181 sq km and lying between Lat. 26°22'N to 30°27' N and Long. 80°4' E to 88°12' E, is well known as nature's paradise for its rich biodiversity. Due to the great geographic along with climatic variation, Nepal is endowed with the tropical to alpine vegetation (Chaudhary, 1998). Nepal offers unique opportunity to conserve biodiversity of many phytogeographical provinces in this small territory. It has biological richness of both the Indo-malaya and Palearctic realm including endemic Himalayan flora.

Nepal's position in the central sector of Himalaya is that of a transitional zone of interpretation between two differing environment of the Eastern Himalaya and Western Himalaya (Shrestha & Joshi, 1996). Thus Nepal offers unique opportunity to conserve biodiversity of many phytogeographical provinces in this small territory. It has biological richness of both the Indo-malaya and Palearctic realm including endemic Himalayan flora. In Nepal, scientist have identified 118 ecosystems, 75 types of vegetation and 35 types of forest harboring more than 6500 species of flowering plants (Stainton, 1972). Of the total estimated 6500 species of flowering plants, about 4% are endemic to the country and 30% are endemic to the Himalayas. Although Nepal shares about 0.09% of all world total land by area, its share in world's total flowering plants species is more than 2%. Nepal occupies the 10th position on richness of flowering plants diversity in Asia, the number of flowering plants enumerated in Nepal is 6067 belonging to 216 families and 1534 genera (Press *et al.*, 2000).

There are a few reports describing flowering plants from Bukini VDC of Baglung district (Sapkota, 2000) but not from Sarkuwa VDC. So, present work is based to provide introductory knowledge of flowering plants of Sarkuwa VDC of Baglung district, Western Nepal.

Materials and Methods

The flowering plants of Sarkuwa VDC of Baglung district were collected. The herbarium was prepared and specimens identified with the help of available literatures. (Haines, 1961; Lawrence, 1965; Hara *et al.*, 1978, 1979, 1982; Hooker, 1883-1897, 1854; Siwakoti & Varma, 1996, 1999) as well as from herbarium sector. The identified species were deposited at Post Graduate Campus, Biratnagar.

Results and Discussion

From the study area altogether 127 species belonging to 108 genera and 53 families were reported. Trees are the dominant attaining 39.37% of the whole floristic composition followed by shrub with 27.55%, herb with 25.19%, climber with 5.15%, under shrub with 1.57% and parasite by attaining 0.78% (Table 1).

Table 1. Number and percentage of plant species on the basis of their life form.

S.N.	Life form (Habit)	Total number	Percentage (%)
1	Tree	50	39.37
2	Shrub	35	27.55
3	Herb	32	25.19
4	Climber	7	5.15
5	Under shrub	2	1.57
6	Parasite	1	0.78

The dominant families of the study area are Moraceae with 11 species, Asteraceae with 9 species, Fabaceae and Euphorbiaceae with 8 species, Lamiaceae and Verbenaceae with 5 species, Anacardiaceae, Meliaceae and Poaceae with 6 species (Table 2).

Table 2. Family, genera and species with their habit, local name, flowering and fruiting period, altitude and uses.

Botanical name / Family	Habit	Local name (Nepali)	Flower-fruit period	Altitude (m)	Parts/Used in
<i>Justicia dhatoda</i> Nees./ Acanthaceae	S	Asuro	Jan-Jul	1200	Plant & leaves juice/ Heart trouble, fever, jaundice, kill worms in intestine, cuts, cough
<i>Strobilanthes atropurpureus</i> Nees	H	Aankhle	Jan- Mar	1600	Leaf/ Food for Lepidoptera larvae
<i>Alternanthera sessilis</i> L./ Amaranthaceae	H	Bhiringi jhar	All months	1200	whole plant/Diarrhoea, dysentery
<i>Amaranthus spinosus</i> L.	H	Kade lude	Jul-Nov	1200	whole plant/ Stomach gonorrhoea eczema
<i>Amaranthus viridis</i> L.	H	Lude sag	Jan-Aug	1200	Seeds/ Diarrhoea, blood purifier, mouth sore
<i>Choerospondias axillaris</i> Roxb./ Anacardiaceae	T	Lapsi	Feb-Aug	1200	Fruit & seeds/ Pickles, spicy candy, fuel
<i>Rhus javanica</i> Miller.	T	Bhaki amilo	Feb-Sep	1220	Fruit/ Coughs, diarrhoea, dysentery, uterine bleedings
<i>Semecarpus anacardium</i> Linn.	T	Bhalayo	May-oct	1250	Fruits & nut extract/ Epilepsy, rheumatism, , skin disorders, fever, worm infestation, hair

<i>Spondias pinnata</i> (Lf) Kurz	T	Ambra	Apr-Sep	850	Fruit, leaves, flowers & bark/ Pickles, jams, stomach aches, dysentery, rheumatism
<i>Agave americana</i> L./ Agavaceae	S	Kettuke	Once in years	1050	Whole plant/ Wound healing, burns, ulcers, tuberculosis
<i>Plumeria rubra</i> L./ Apocynaceae	T	Golaicha (Red jasmine)	Whole year	650	Leaves, flower, bark/ Itch, rheumatism, gum troubles, fever, dysentery
<i>Braciopsis hainla</i> (Buch.- Ham.ex D. Don)/ Araliaceae	S	Chuletro	Dec-Aug	1300	Whole plant/ Fodder
<i>Calotropis gigantea</i> L./ Asclepiadaceae	S	Aank	Whole year	700	Latex, root bark, flowers/ Dysentery, cold, cough, asthma
<i>Ageratum conizoids</i> L./ Asteraceae	H	Ilame Jhar	Dec-May	600	Whole plant/ Bleeding, rheumatism, weed
<i>Artemisia dubia</i> Wall.	US	Titepati	Aug-Oct	1350	Leaves, roots/ Respiratory tract infections, asthma, gastric
<i>Bedens pilosa</i> var. <i>bipinnata</i> (L.) Hook. f	H	Kuro	May-Oct	700	Young shoot & leaves/ Kidney problems, food
<i>Blumea hieracifolia</i> (D.Don)DC	H	Sahasrabuti	Sept.-Mar	1250	Whole plant/ Treatment of infection
<i>Ageratina adenophora</i> (L.) King & Robinson	H	Banmara	Sept.-Mar	1300	Leaf/ Scabies
<i>Gnaphalium polycaulon</i> Pers (Cudweeds)	H	Bukijhar	Jan-Apr.	1300	Whole plant/ Food for caterpillars
<i>Inula cappa</i> (Buch-Hamex D.Don) DC	S	Gai tihara	May-Oct	700	Leaf/ Respiratory, digestive, cancer, microbial diseases
<i>Sonchus asper</i> L.	H	Prickly	May-Oct	1300	Leaf, stem/ Raw, cooked
<i>Xanthium strumarium</i> L.	H	Bhede kuro	Jan-Apr	1200	Root/ Cooling, digestive, tonic treat swollen bones & fractures
<i>Berberis aristata</i> DC/ Berberidaceae	S	Chutro	Apr-may	1300	Bark, berries/Jaundice. piles, eye diseases, gums, dysentery, urinary infection
<i>Alnus nepalensis</i> D.Don/ Betulaceae	T	Utis	May-Sep	1550	Whole plant/ Reclamation, fire wood, making charcoal
<i>Bombax ceiba</i> L./ Bombacaceae	S	Simal	Once in year	950	Whole plant/ Headache, cough, cold, dysentery, influenza, urinary infections
<i>Chenopodium album</i> L./ Chenopodiaceae	H	Bethe	Nov-Feb	700	Leaf, fruit, root/ Anemia, fever
<i>Terminalia alata</i> Heyne ex Roth/ Combretaceae	T	Saaj	Feb-Oct	700	Whole plant/ Timber for carts, boat building
<i>Terminalia bellirica</i> (Gaertn.) Roxb.	T	Barro	May-Oct	1350	Fruit/ Bronchitis, fever, diarrhoea
<i>Terminalia chebula</i> Retz.	T	Harro	Feb-Aug	1100	Fruit/ Diarrhoea, asthma, urinary disorder, fever
<i>Cordia dichotoma</i> J.R. Forst./ Cordiaceae	T	Bohori	Feb-Aug	1350	Bark, leaf/ Treatment of ulcer, colic pain, fodder
<i>Ehretia laevis</i> Roxb.	S	Datingel	Feb-Aug	1150	Leaf, bark/ Muscular pains, eczema, throat infection

<i>Shorea robusta</i> Gaertn/ Dipterocarpaceae	T	Sakhuwa	Mar-Jul	850	Fruit, resin/ Diarrhoea, antiseptic for skin diseases
<i>Dioscorea bulbifera</i> L./ Dioscoreaceae	H	Githe Tarul	Jul-Oct	1320	Tuber/ Diabetes, eczema, Intestinal parasites
<i>Diospyros malabarica</i> (Desx.)/ Ebenaceae	T	Teeju	Feb-Jun	1350	Leaf, fruit/ Dye cloth black
<i>Lyonia formosa</i> (Wall.) Hans-Mazz./ Ericaceae	T	Angeri	May-Oct	1250	Whole plant/ Food for Lepidoptera larvae, ornamental
<i>Rhododendron arboreum</i> var. <i>album</i> Wall.	T	Lali guras	May-Aug	1200	Flower, bark, leaf / Indigestion, liver & lung troubles
<i>Bridelia retusa</i> L./ Euphorbiaceae	T	Gayo (Sun pati)	Apr-Oct	1200	Whole plant, leaf / Cuts & wounds, wood
<i>Euphorbia hirta</i> L.	H	Dudhe jhar	All months	800	Plant extract/ Diarrhoea, fever, snake bite
<i>Jatropha curcas</i> L.	S	Sajiwan	Jul-Dec	1050	Twigs, seed/ Toothbrush, burns, vegetable
<i>Macaranga indica</i> Wight	T	Malata	Jun-sep	1600	Branches, petioles, fruit/ To get relief from venereal sores
<i>Mallotus philippensis</i> (Lam) T Mull. Arg	T	Sindhure	Sep-Mar	600	Root, bark/diarrhoea, dysentery, Anthelmintic, indigestion
<i>Phyllanthus amarus</i> Schumach & Thonn.	H	Bhui amala	Whole year	800	Fruit/ Diarrhoea, dysentery, stomach pain, jaundice
<i>Phyllanthus emblica</i> L.	T	Amala	Apr-Sept	1300	Fruit, bark/ Dysentery, constipation, stomachic
<i>Sapium insigne</i> (Royle) Benth. Ex. Hook.f.	T	Khirro	Feb-Mar	1350	Leaf, fruit/ Skin disesse, constipation, wounds
<i>Bauhinia vahlii</i> Wight & Arn./ Fabaceae	C	Bhorla	Apr-Feb	1150	Seed/ Snake bite
<i>Bauhinia purpurea</i> L.	T	Tanki	Sep-Mar	800	Flowers, root, stem, bark/ Constipation, diarrhoea, ulcer
<i>Bauhinia malabarica</i> Roxb.	T	Koiralo	May-Oct	800	Root, bark/ Cholera, wound healing, dysentery
<i>Cassia sophera</i> L.	S	Thulo Tapre	Jan-May	650	Leaf/ Bronchitis, ringworm
<i>Crotalaria pallida</i> Act.	H	Runche	Sep-Dec	100	Leaf/ Menstrual disorder, diarrhoea
<i>Dalbergia sissoo</i> Roxb.	T	Sisau	Mar-June	750	Leaf, whole plant/ Gonorrhoea, leprosy, wood
<i>Erythrina stricta</i> Roxb.	T	Phadelo	Mar-Sep	1500	Leaf, flower, bark/ make rope, tanning dyeing, constipation
<i>Mimosa pudica</i> L.	H	Lajawati	Mar-Dec	800	Root, leaf/ Urinary complaints, glandular swelling
<i>Castanopsis indica</i> (Roxb) Miq./ Fagaceae	T	Katus	Apr-Sept	1300	Branches, stems, nuts/ Timber, edible
<i>Castanopsis tribuloids</i> (Sm.)T A.DC.	T	Musure katus	Apr-Sept	1500	Branches, stems, seeds/ Bed logs in mushroom cultivation, fuel, edible
<i>Quercus lanata</i> Sm.	T	Bhajo	May-Oct	800	Bark, seeds/ Fodder, diarrhoea, dysentery, muscular pain
<i>Xylosma controversum</i> Clos	S	Raju	Jan-Jul	1250	Fruit, leaf/ Eidible, narcotic

G. Forst./ Flacourtiaceae						sedative, antispasmodic
<i>Dichroa febrifuga</i> Lour./ Hydrangenaceae	S	Basak	May-Oct	1300		Root, leaf/ Malaria, stomach cancer, cold cough, indigestion
<i>Engelhardia spicata</i> Les. ex Blume/ Juglandaceae	T	Mauwa	Nov-Apr	1340		Bark, fruit/ Edible, light timber, tannins
<i>Anisomeles indica</i> Kuntze./ Lamiaceae	H	Raato chaarpate	Aug-Jan	1400		Whole plant/ Eczema, snake bites, rheumatism, cold. fever, gas pain, uterine infection
<i>Colebrookea oppositifolia</i> Sm.	S	Dhuresure	Nov-May	1300		Leaf, root/ Skin diseases, nose bleeding
<i>Elsholtzia blanda</i> Benth.	H	Bantulsi	Feb-Oct	1500		Seeds, leaf/ Condiment for food, cooked, cold, fever
<i>Hyptis suaveolens</i> (L.) Poit.	H	Toolo mirre	May-Aug	850		Seed, leaf, shoot/ Diarrhea, fever, headache
<i>Rabdosia coetsa</i> (Buch.-Ham. Ex D. Don)	H	Mire	Feb-Jul	1000		Whole plant/ Oil, diarrhea, abdominal pain, dysentery
<i>Litsea cubeba</i> (Lour.)/ Lauraceae	T	Siltimur	Feb-Aug	1300		Whole plant/ Essential oil, cosmetic, infection, skin tonic, lung cancer
<i>Litsea monopetala</i> (Roxb.) Pers.	T	Kutmiro	Jan-Dec	1300		Leaf, seed/ Treatment of arthritis, oil, wood
<i>Dendrophthoe falcate</i> (L.f) Eitting/ Loranthaceae	P	Aainjeru	May-Oct	1500		Whole plant/ Wound healing, asthma, ulcers
<i>Woodfordia fruticosa</i> (L.) Kurz/ Lythraceae	S	Dhairo	Feb-Jun	800		Flower/ Cough, ulcers, wounds
<i>Sida rhombifolia</i> L./ Malvaceae	S	Sano chilya	Mar-Dec	800		Leaf/ Tuberculosis, rheumatism
<i>Urena lobata</i> L.	H	Bhede kuro	Jan-Dec	800		Leaf, roots, seeds/ Rheumatism
<i>Melastoma melabathricum</i> L./ Melastomataceae	S	Angeri	Mar-Dec	1050		Bark, root/ Diarrhea, skin disease, dysentery
<i>Osbeckia nepalensis</i> Hook.	S	Seto chulsi	Aug-Dec	1050		Root, leaf, flower/ Diabetes, foot sores of cattle
<i>Osbeckia stellata</i> Buch.-Ham. ex D. Donl	S	Rato chulsi	July-Dec	1300		Whole plant/ Inflammatory diseases
<i>Cipadessa baccifera</i> (Roth) Miq./ Meliaceae	S	Paireti	Apr-Feb	900		Root, bark/ Indigestion, dysentery, skin itch, cough, bleeding, swelling of gums
<i>Melia azedarach</i> L.	T	Bakaino	Mar-Jun	850		Bark/ Body pain, headache
<i>Toona ciliata</i> M. Roem.	T	Tooni	Jan- Nov.	1050		Bark/ Dysentery, heal wounds
<i>Trichilia connaroides</i> (Wight & Arn.) Benth.	T	Aankha taruwa	Feb-Apr	1300		Leaf, fruit, stem/ Cholera, antimicrobial, scabies, eczema & bdominal pain
<i>Stephania glandulifera</i> Miers/ Menispermaceae	C	Batul Pate	Mar-Jun	1350		Tuber/ Treatment of epilepsy, tuberculosis
<i>Tinospora sinensis</i> (Lour.) Merr.	C	Gurjo	Mar-Jun	650		Leaf, stem/ Tonic, diabetes
<i>Artocarpus lakoocha</i> Wall. ex Roxb./ Moraceae	T	Badahar	Mar-Jun	1300		Wood, bark, leaf/ Treatment of tapeworm, stomach ailments
<i>Ficus auriculata</i> Lour.	T	Timilo	Apr-Aug	1300		Leaf/ Diarrhea, dysentery

<i>Ficus glaberrima</i> Blume	T	Pakhauri	May-Sep	1150	Whole plant/ Fodder, fruit edible, prepare ropes
<i>Ficus hederacea</i> Roxb.	S	Dudhe lahari	May-Jul	1350	Fruit/ Edible, cultural importance
<i>Ficus hispida</i> L.	S	Gelido	Jun-Jul	1250	Whole plant/ Fodder
<i>Ficus lacor</i> Buch.-Ham	T	Kavro	May-Oct	800	Whole plant/ Fodder
<i>Ficus neriifolia</i> Sm.	T	Dudhilo	Oct-Apr	1350	Whole plant/ Fodder
<i>Ficus palmata</i> Forsk	T	Nimaro	May-Nov	1250	Fruit, bark, roots/ Constipation, lung & bladder diseases, warts
<i>Ficus racemosa</i> L.	T	Dumri	May-Jul	1350	Fruit, leaf, root/ Raw or cooked, vegetable, diarrhoea
<i>Ficus subincisa</i> Buch-Ham	S	Geduulo	Apr-Aug	1250	Shoots/ High blood pressure
<i>Morus australis</i> Poir.	T	Kimbu	Mar-May	1250	Leaf, fruit/ Gargle in inflammation of vocal chords, fever, edible, paper making
<i>Myrica esculenta</i> Buch. Ham./ Myricaceae	T	Kafal	May-Oct	1250	Root bark, fruit/ Fever, asthma, cough, cholera, edible
<i>Maesa chisia</i> Buch.-Ham. ex./ Myrsinaceae	S	Bilaune	Feb-Apr	1050	Shoots, leaf, fruit/ Edible as vegetable, ripe fruit
<i>Syzygium cumini</i> (L.) Skecis/ Myrtaceae	T	Jamun	Apr-Jul	1000	Leaf, bark, fruit/ Diarrhoea, dysentery, mouthwash, diabetes
<i>Fraxinus floribunda</i> wall./ Oleaceae	T	Lankuri	Feb-Oct	1400	Wood/ Ploughs, poles, fuel
<i>Oxalis corniculata</i> L./ Oxalidaceae	H	Chari amilo	Feb-Oct	1000	Whole plant/ Piles, anaemia, fever, scurvy
<i>Argemon maxicana</i> L./ Papavaraceae	H	Thakailo	Mar-Oct	1000	Whole plant/ Malarial fever, ulcers & skin problems, heal wounds faster
<i>Axonopus compressus</i> / Poaceae	H	Carpet grass	Summer-Autumn	1000	Whole plant/ Erosion control, fodder, forage, ornamental
<i>Chrysopogan aciculatus</i> (Retz.)/ Poaceae	H	Kuro ghas	Jun-Oct	1250	Whole plant, root, seed/ Treat snake bite, soil erosion
<i>Cynodon dactylon</i> L. Pers.	H	Dubo	Nearly all the year	1200	Whole plant/ Fresh cuts, wounds, diarrhea, dysentery
<i>Imperata cylindrical</i> (L.) P. Beauv.	H	Siru	Apr-Aug	1300	Root/ Pneumonia, diarrhea
<i>Thysanolaena maxima</i> Kuntz.	S	Amliso or kucho	Mar-Apr	1200	Root/ Cleaning tool or broom, intestinal worms & boil
<i>Clematis buchananiana</i> DC/ Ranunculaceae	C	Abijalo	Aug-March	1600	Whole plant/ cytotoxic, anti inflammatory, antimicrobial
<i>Ziglyphus mauritiana</i> Lam./ Rhamnaceae	S	Bayer	Aug-Feb	800	Bark, leaf, fruit/ Diarrhea, dysentery, scabies, skin diseases
<i>Neillia rubiflora</i> D. Don/ Rosaceae	S	Jangali ainselu	Jan-Sep	1300	Fruit/ Edible
<i>Prunus cerasoides</i> D. Don	T	Painyu	Apr-Aug	1300	Fruit, seed/ Skin diseases, uterine tonic
<i>Pyrus pashia</i> Buch.-Ham.	T	Mayal	Mar-Sep	1350	Fruit, young shoots, leaf, flower/ Raw or cooked, eaten as vegetable, diarrhoea

<i>Rubus ellipticus</i> Sm.	S	Ainselu	Feb-Jul	1100	Root, bark/ diarrhea, dysentery, wounds, gastric
<i>Rubia cordifolia</i> Roxb./ Rubiaceae	C	Majhito	Jul-Oct	1100	Root, whole plant/ Natural dye, fruit edible
<i>Zanthoxylum armatum</i> DC./ Rutaceae	S	Timur	-	1300	Whole plant/ Fever, cholera, stomach pain, poison, spices
<i>Osyris wightiana</i> Wall.ex wight/ Santalaceae	S	Nundhiki	Jan-Dec	1500	Root, bark, fruit/ Atonics in soup, fruit, treating diarrhoea
<i>Diploknema butyracea</i> (Roxb.) H.J. Lam/ Sapotaceae	T	Chiuri	July-Aug	1100	Fruit, seed, leaf, bark/ Soap, oil, candle, ghee, making Tapari
<i>Solanum aculeatissimum</i> Jacq./ Solanaceae	US	Kantakari	Aug-May	800	Seed, root/ Ulcerated nose, worms
<i>Solanum surattense</i> Burm.	H	Kantakari	Jan-Apr	800	Fruit, seed, root/Cough, asthma, anthelmintic
<i>Solanum nigrum</i> L.	H	Kali bihi	Dec-Mar	1250	Leaf, fruit/ Dropsy, heart diseases, food
<i>Eurya acuminata</i> / Theaceae	S	Jhyanu	May-june	1600	Flower, leaf, branch / Edible fuel, wood
<i>Schima wallichii</i> (DC.)	T	Chilaune	Whole year	1300	Bark, aerial parts/ Fish Poison, uterine disorders, antifungal
<i>Boehmeria platyphyla</i> Buch-Ham. ex Don var. angolensis/ Urticaceae	T		Jul-Oct	1050	Leaf/ fever
<i>Boehmeria regulosa</i> Wedd	T	Githedaar	Jul-Sep	1500	Bark/ Bark juice used in cuts, wounds & body pain, bark paste applied on bone fracture
<i>Girardiana diversifolia</i> (Link.) Fris	H	Chalne sisnu or Allo	Sep-Oct	1600	Leaf juice, whole plant, root/ Fodder, fuel, wood
<i>Urtica dioica</i> L.	H	Sisnu	Sep-Mar	1250	Leaf, stem, root/ Kidney stone, asthma, sinusitis, allergies
<i>Clerodendrum viscosum</i> Vent./ Verbenaceae	S	Bhate	Jan-June	750	Root, flower/ Fever, kill worms in stomach
<i>Holmskioldia sanguinea</i> Retz.	S	Jhule Phool	May-Oct	750	Leaf, shoot, bark/ Rheumatism, dysentery, headaches
<i>Lantana camara</i> L.	S	Banmara	Whole year	1300	Leaf, stalk/ Asthama, skin itches, repels insect, leprosy
<i>Premna longifolia</i> Roxb.		Gidari	May-Jul	900	Root/ Anti-pyretic, liver complaints, cold, rheumatic
<i>Vitex negundo</i> L.	S	Simali	Apr-Dec	1300	Leaf, root/Rheumatic swellings of joints, dyspepsia, boils
<i>Vitis lanata</i> auction/ Vitaceae	C	Ban angur		750	Fruit, leaf, flower/ Raw or dried for winter use, yellow dye from the fresh or dried leaves
<i>Cayratia trifolia</i> (L.) Domin.	C	Karaunja	June-Dec	900	Whole plant/ Tumors, antivira, anticancer & diuretic activity
<i>Costus speciosus</i> (J. konig) Sm./ Zingiberaceae	S	Betlauri	Jul-Sep	750	Wild edible plant, diabetes, medicinal uses

Out of 127 collected species, more than 30 species were of medicinal importance. Some of them are *Xanthoxylum armatum*, *Litsea cubeba*, *Terminalia chebula*, *Terminalia bellirica*, *Rhus javanica*, *Phyllanthus emblica*, *Vitex negundo*, *Justicia Adhatoda*, *Dichroa febrifuga*, *Tinospora cordifolia* etc. Plants with edible fruit were *Myrica esculenta*, *Rubus ellipticus*, *Barberis aristata*, *Phyllanthus emblica*, *Morus australis*, *Ficus subincisa*, *F. semicordata*, *Brassia butyraceae* etc. Common fodder plants were *Ficus semicordata*, *F. subincisa*, *F. hispida*, *F. nerifolia*, *F. racemosa*, *F. palmata*, *F. semicordata*, *F. hispida*, *Morus australis*, *Litsea monopetala*, etc. Some economically important species were *Terminalia chebula*, *T. bellerica*, *Shorea robusta*, *Schima wallichii*, *Xanthoxylum armatum*, *Phyllanthus emblica*, *Thysanolaena maxima*, *Dioscorea bulbifera* etc. *Sapium insigne*, *Ageratina adenophora*, *Adhatoda vassica* were used as green manure. *Lantana camara*, *Eupatorium adenophorum*, *Ageratum conizoids* were invasive alien species. *Dendrophthoe falcate* was a parasite on plant.

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