

Medicinal Plants of Morni Hills, Shivalik Range, Panchkula, Haryana

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ABSTRACT: During plant exploration and survey of Morni Hills, Panchkula, Haryana (2017-2018) the authors collected about 2200 field numbers from different localities. Out of them, 323 species belonging to 251 genera and 92 families are medicinal plants. The information about medicinal properties of these plants has been gathered during field trips of Morni Hills from local vaidyas and local people of remote localities. The enumeration is alphabetically arranged, followed by their family names, local /common names, plant parts used for curing diseases and medicinal uses. These plant species are utilized by local people against various diseases in Morni Hills area.

KEYWORDS: Medicinal uses, Medicinal plant, Shivalik forest, Morni Hills, Panchkula, Haryana.

INTRODUCTION

Morni Hills, Panchkula, Haryana lies in between 30°55' to 34°45' N latitude and 70°00' to 75°15' E longitude and forms a part of lower Shivalik (from Sanskrit, meaning 'tresses of Lord Shiva'). It has an altitude range from 300 to 1400 m above mean sea level with 34 Kathi being the highest point at an altitude of 1400 m. 'Morni village' is almost the central point of Morni range which is 35 km away (by road) from Panchkula and 25 km (by road) from Raipur Rani. River Ghaggar, the glory of Morni hills, separates Morni sub-division from Pinjore sub-division. It originates from Shivalik Hills in Himachal Pradesh and descends down to plains in Panchkula. The summer temperature of Morni range is between 18°C to 45°C and during winters is 4°C to 33°C.

Quantitative analysis of forest vegetation of Morni hills and adjacent areas is lacking, although some information is available on flora and life-form classes of plants (Jain, 1979; Jain et al., 1982; Jain & Singh, 1984). Rout & Gupta (1989) analyzed forest vegetation of Morni Hills in northeast Haryana. Jain et al. (2000) and Kumar (2001) worked on Flora of Haryana. Kumar & Nagiyani (2006) studied trees and shrubs of Haryana. Negi (2010) prepared a report entitled 'floristic diversity of Shivalik

Hills of Haryana'. Singh & Vashistha (2014) investigated the flowering plant diversity and ethnobotany of Morni Hills. Gupta & Kumar (2014) studied vegetation composition and plant diversity in forest ecosystems of Shivaliks in Northern Haryana but the detailed study of medicinal plants and their use is not available for this region. Keeping in view the importance of medicinal flora, this study was undertaken to document the medicinal use of plants in this region (Figure 1).

MATERIAL AND METHODS

The field study was conducted in the Morni Hills, Panchkula, Haryana to document the medicinal uses of plants. In present study, the information about plants was obtained during frequent field visits, from experienced personals of forest department and the local vaidyas and natives (older household and women). List of medicinal are being traditionally used by the local people of the area had been prepared. The plants were identified with the help of floras and BSD herbarium consulted for their correct identity.

RESULTS

A total of 323 species belonging to 251 genera and 92 families were recorded. Among all the species, 46 species of climbers (14%), 3 species of fern and fern allies (1%), 87 species of herbs (27%), 2 species of lianas (0.9%), 01 species of parasite (0.1%), 40 species of shrubs (12%), 95 species of trees (30%) and 49 species of under shrubs (15%) (Figure 2) were recorded. A list of plant species along with their family names, local / common names and plant parts used for curing diseases and medicinal uses is presented here. (Table-1). Medicinally most important family was Fabaceae with 58 species followed by Malvaceae (19), Apocynaceae (15), Lamiaceae (14), Asteraceae (12), Convolvulaceae and Euphorbiaceae with 10 species each. Root,

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Table-1. Important Medicinal Plants of Morni Hills, Panchkula, Haryana

S. No.	Name of Plant	Common / Vernacular Name	Family	Habit	Plant Parts Used	Pharmacological properties and action	Medicinal uses
1	<i>Abelmoschus crinitus</i> Wall.	-	Malvaceae	Under shrub	Rt	Aphrodisiac, Anti-diarrhoeal	Diarrhoea, dysentery
2	<i>Abrus precatorius</i> L.	Ratti	Fabaceae	Climber	Rt, Sd	Anti tumor	Cough and cold (Rt); prevent conception (Sd)
3	<i>Abutilon hirtum</i> (Lam.) Sweet	-	Malvaceae	Under shrub	Sd, Lf	Aphrodisiac	Bronchitis, spermatorrhoea, ulcer
4	<i>Abutilon indicum</i> (L.) Sweet	Kanghi, Atibala	Malvaceae	Under shrub	Sd, Lf	Aphrodisiac, tonic	Bronchitis, spermatorrhoea, ulcer, gonorrhoea,
5	<i>Acacia catechu</i> (L.f.) Willd.	Khair	Fabaceae	Tree	Wd, Bk, Lf	Astringent, aphrodisiac, tonic	Asthma, bronchitis, gonorrhoea
6	<i>Acacia farnesiana</i> (L.) Willd.	Vilaiti babul	Fabaceae	Tree	Rt, Bk, Lf	Analgesic, febrifuge	Toothache, malarial fever, gonorrhoea
7	<i>Acacia leucophloea</i> (Roxb.) Willd.	Reru, Shami	Fabaceae	Tree	Bk	Astringent	Ulcer,
8	<i>Acacia nilotica</i> subsp. <i>indica</i> (Benth.) Brenan	Babool	Fabaceae	Tree	Bk	Anti-diarrhoeal	Asthma, tooth and gum trouble, dysentery, skin disease.
9	<i>Acacia pennata</i> (L.) Willd.	-	Fabaceae	Climber	Rt, Bk	Astringent	Gastrointestinal trouble, gum trouble
10	<i>Acacia torta</i> (Roxb.) Craib	Aila	Fabaceae	Climber	Bk	Anti-diarrhoeal	Dysentery
11	<i>Achyranthes aspera</i> L.	Chirchita	Amaranthaceae	Under shrub	Rt, Sd	Analgesic, antiallergic	Asthma, toothache.
12	<i>Achyranthes bidentata</i> Blume	Chirchita	Amaranthaceae	Under shrub	Rt	Analgesic, antiallergic	Toothache, pyorrhoea, indigestion, asthma
13	<i>Acmella uliginosa</i> (Sw.) Cass.	Marsh Para Cress	Asteraceae	Herb	Fl	Analgesic	Pyorrhoea
14	<i>Acorus calamus</i> L.	Bach	Acoraceae	Herb	Rt	Analgesic, antiallergic, antipyretic	Bronchitis, dysentery, epilepsy, malarial fever
15	<i>Adiantum caudatum</i> L.	-	Pteridaceae	Herb	Lf	Antiallergic, antipyretic	Cough, fever and diabetes; externally used in skin diseases
16	<i>Aegle marmelos</i> (L.) Corrêa	Bel	Rutaceae	Tree	Fr, Lf	Anti-diarrhoeal, astringent	Dysentery, gastric trouble (Fr); Diabetes (Lf)
17	<i>Aeschynomene indica</i> L.	-	Fabaceae	Under shrub	Wp	Tonic, aphrodisiac	Impotency
18	<i>Agave americana</i> L.	Ramban	Agavaceae	shrub	Lf	Laxative (Lf)	constipation
19	<i>Ageratum conyzoides</i> L.	-	Asteraceae	Herb	Lf, Sd	Anti-diarrhoeal, astringent	Cuts & wounds, diarrhoea, piles
20	<i>Ailanthus excelsa</i> Roxb.	Indian Tree of Heaven	Simaroubaceae	Tree	Bk, Lf	Analgesic, antiallergic,	Bronchitis, skin diseases
21	<i>Albizia lebbek</i> (L.) Benth.	Kala Siris	Fabaceae	Tree	Sd, Bk	Anti-diarrhoeal, astringent, tonic	Gonorrhoea, diarrhoea, dysentery
22	<i>Albizia odoratissima</i> (L.f.) Benth.	Kala Siris	Fabaceae	Tree	Bk	Anti-diarrhoeal, astringent	Dysentery
23	<i>Albizia procera</i> (Roxb.) Benth.	Safed Siris	Fabaceae	Tree	Bk	Antipyretic	Fever
24	<i>Allium cepa</i> L.	Onion, Pyaj	Amaryllidaceae	Herb	Wp	Carminative	Constipation
25	<i>Aloe vera</i> (L.) Burm.f.	Aloe Vera	Xanthorrhoeaceae	Under shrub	Lf	Anthelmintic	Jaundice, Skin diseases,
26	<i>Alstonia scholaris</i> (L.) R.Br.	Saptarni	Apocynaceae	Tree	Bk	Antipyretic	Malarial fever, diarrhoea
27	<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Sessile Joyweed	Amaranthaceae	Herb	Lf	Antipyretic, analgesic	Bone fracture, malarial fever, diarrhoea, dysentery

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28	<i>Alysicarpus vaginalis</i> (L.) DC.	-	Fabaceae	Herb	Rt, Wp	Expectorant,	joint pain
29	<i>Alysicarpus bupleurifolius</i> (L.) DC.	-	Fabaceae	Herb	Wp	Antipyretic	Fever
30	<i>Alysicarpus monilifer</i> (L.) DC.	-	Fabaceae	Herb	Wp	Antivenom	Antidote to snake bite
31	<i>Amaranthus viridis</i> L.	Sessile Joyweed	Amaranthaceae	Herb	Wp	Anthelmintic	Worm infestation
32	<i>Ampelocissus latifolia</i> (Roxb.) Planch.	-	Vitaceae	Climber	Rt	Anti-diarrhoeal, astringent	Diarrhoea, dysentery, inflammation, skin diseases
33	<i>Anagallis arvensis</i> L.	-	Primulaceae	Herb	Wp	Analgesic	Gout, leprosy
34	<i>Andrographis paniculata</i> (Burm.f.) Nees	Kalmegh	Acanthaceae	Herb	Wp	Anthelmintic, antipyretic	Malarial fever, jaundice, colic pain
35	<i>Annona squamosa</i> L.	Sarifa	Annonaceae	Tree	Sd, Bk, Rt	Insecticidal,	Diarrhoea, purgative
36	<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. ex Guillem. & Perr.	Chal, Dhao	Combretaceae	Tree	Bk	Anti-diarrhoeal, astringent	Colic pain, diarrhoea
37	<i>Antigonon leptopus</i> Hook. & Arn.	Coral creeper	Polygonaceae	Climber	Lf	Antiallergic	Skin disorders
38	<i>Ardisia solanacea</i> Roxb.	Bisi	Primulaceae	Shrub	Bk, Rt	Analgesic	Headache, post natal complaints
39	<i>Argemone mexicana</i> L.	Satyanashi	Papaveraceae	Herb	Sd, L	Analgesic, antiallergic	Asthma, gum trouble, skin diseases
40	<i>Argyrea sericea</i> Dalzell		Convolvulaceae	Climber	Rt	Antiallergic	Skin diseases
41	<i>Artemisia vulgaris</i> L.	Paati	Asteraceae	Under Shrub	Lf,	Tonic, Analgesic	Nervous and spasmodic affections
42	<i>Artocarpus lacucha</i> Buch.-Ham.	Dav, Barhal	Moraceae	Tree	Sd, Bk	Hepato-protective	Stomach and liver disease
43	<i>Artocarpus heterophyllus</i> Lam.	Jack fruit, Kathal	Moraceae	Tree	Wp, Lf	Analgesic, antiallergic, antipyretic	Dentalgia, dental caries, abdominal disorders, wound and cephalgia(Wp); Fever, boils, wounds and skin diseases (Lf)
44	<i>Asclepias curassavica</i> L.	Kakatundi	Apocynaceae	Shrub	Rt	Antipyretic, anti-diarrhoeal, astringent	Fever, dysentery, eye infection
45	<i>Asparagus racemosus</i> Willd.	Satavar	Asparagaceae	Climber	Rh	Anthelmintic, tonic	Rheumatism, cough & cold,
46	<i>Asphodelus tenuifolius</i> Cav.	Pyazi	Liliaceae	Herb	Sd	Analgesic	Toothache
47	<i>Averrhoa carambola</i> L.	Kamrakh	Oxalidaceae	Tree	Fr	Analgesic	Pyarrhoea
48	<i>Azadirachta indica</i> A Juss.	Neem	Meliaceae	Tree	Wp	Antiseptic, antipyretic	Skin diseases, , fever, diabetes, jaundice
49	<i>Bacopa monnieri</i> (L.) Wettst.	Jal Bramhi	Plantaginaceae	Herb	Wp	Tonic, antipyretic, anti-diarrhoeal, astringent	epilepsy, fever, diarrhoea, dysentery
50	<i>Baliospermum solanifolium</i> (Burm.) Suresh	Hastidanti	Euphorbiaceae	Shrub	Rt, Lf, Sd	Antiseptic, antipyretic, analgesic	Jaundice, asthma, rheumatic pain, laxative
51	<i>Bambusa bambos</i> (L.) Voss	Bans	Poaceae	Herb	Lf	Haematemesis	Bleeding disorders
52	<i>Barleria cristata</i> L.	Philippine Violet	Acanthaceae	Under Shrub	Rt	Analgesic	Toothache
53	<i>Barleria prionitis</i> L.	Piyabansa	Acanthaceae	Shrub	St, Lf	Analgesic	Gum trouble, toothache, rheumatic pain
54	<i>Barleria strigosa</i> Willd.	-	Acanthaceae	Under Shrub	Lf, Rt	Antiseptic, antipyretic, analgesic	Gum trouble, fever
55	<i>Basella alba</i> L.	Poi	Basellaceae	Climber	Lf	Antiseptic, antipyretic	Boils & blisters, headache, insomnia
56	<i>Bauhinia purpurea</i> L.	Purple Kachnar	Fabaceae	Tree	Bk, Lf	Astringent, hepato-protective	Jaundice, wounds
57	<i>Bauhinia racemosa</i> Lam.	White Kachnar	Fabaceae	Tree	Bk	Anti-diarrhoeal, astringent	Diarrhoea, dysentery
58	<i>Bauhinia vahlii</i> Wight & Arn.	Maljhan	Fabaceae	Liana	Sd	Aphrodisiac, tonic	intestinal worms

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59	<i>Bauhinia variegata</i> L.	Kachnar	Fabaceae	Tree	Bk	Antipyretic	Reduce fat, leprosy, malarial fever
60	<i>Bauhinia semla</i> Wunderlin	Kandla, Semla	Fabaceae	Tree	Lf, Bk	Anti-diarrhoeal, astringent	Abdomen disease (Lf). Cholera, sore, snake bite (Bk)
61	<i>Begonia picta</i> Sm.	-	Begoniaceae	Herb	Wp	Analgesic	Headache, peptic ulcer.
62	<i>Berberis asiatica</i> Roxb. ex DC.	Daru Haldi, Kilmora	Berberidaceae	shrub	Rt	Astringent, antiseptic, antipyretic	Ulcers, diabetes, urethral discharges, jaundice, fevers
63	<i>Berberis lycium</i> Royle	Indian Lycium	Berberidaceae	shrub	Rt	Astringent, antiseptic, antipyretic	Gonorrhoea, curative piles, unhealthy ulcers, acute conjunctive
64	<i>Blepharis maderaspatensis</i> (L.) B. Heyne ex Roth	Utangan	Acanthaceae	Herb	Lf, Wp	Analgesic, antiseptic, antipyretic	Bone fracture, respiratory problems
65	<i>Blumea lacera</i> (Burm.f.) DC.	-	Asteraceae	Herb	Lf	Astringent, antiseptic, antipyretic	Cuts & wounds, piles
66	<i>Boerhavia diffusa</i> L.	Punarnava	Nyctaginaceae	Under Shrub	Rt	Hepato-protective	Jaundice, asthma
67	<i>Bombax ceiba</i> L.	Semal	Malvaceae	Tree	Bk, Rt, G	Aphrodisiac, astringent, antiseptic, antipyretic	Pimples, boils, diarrhoea
68	<i>Boswellia serrata</i> Roxb. ex Colebr.	Salai, Salar, Salai guggal	Burseraceae	Tree	G	Tonic, brain tonic, astringent	Epilepsy, skin diseases, stomach complaints
69	<i>Brassica campestris</i> var. <i>sarson</i> Prain	Sarson	Brassicaceae	Herb	Sd	Antiseptic, antipyretic	Bronchial disorder, leprosy
70	<i>Bryophyllum pinnatum</i> (Lam.) Oken	Ajubi, Air Plant	Crassulaceae	Under Shrub	Lf	Antiseptic, antipyretic	Bruises, boils, insect bites, renal calculi, bronchitis, diabetes
71	<i>Butea monosperma</i> (Lam.) Taub.	Flame of forest, Palash	Fabaceae	Tree	Sd, G, Fl	Astringent, contraceptive, vermucidal	Killing intestinal worms, diabetes, diarrhoea
72	<i>Caesalpinia bonduc</i> (L.) Roxb.	Kateli	Fabaceae	Shrub	Sd	Antipyretic, analgesic	Malarial fever, laxative, rheumatic pain, skin disease
73	<i>Cajanus scarabaeoides</i> (L.) Thouars	Showy Pigeonpea	Fabaceae	Climber	Lf	Astringent	Cholera, gonorrhoea, dropsy
74	<i>Callicarpa macrophylla</i> Vahl.	Daiya, Priyangu	Lamiaceae	Shrub	Bk, Fr	Analgesic, antiseptic	Rheumatism, gonorrhoea (Bk); Fever, vomiting, blood disorders, vertigo, nervous system, rheumatic diseases (Fr)
75	<i>Calotropis gigantea</i> (L.) W. T. Aiton	Madar	Apocynaceae	Shrub	Rt, L, Bk	Antiseptic	Leprosy, skin diseases
76	<i>Calotropis procera</i> (Aiton) Dryand.	Madar, Aak	Apocynaceae	Shrub	Rt, L, Bk	Analgesic, anti-allergic, antipyretic, antidiarrhoeal	Asthma, diarrhoea, guinea worms, epilepsy, leprosy, skin diseases
77	<i>Canavalia gladiata</i> (Jacq.) DC.	Sword Bean	Fabaceae	Climber	Fr	Antiseptic, coolant	Burning sensation, hyperthirst, anorexia, dyspepsia, wound
78	<i>Cannabis sativa</i> L.	Bhang	Cannabaceae	Under Shrub	Lf	Analgesic, anti-allergic,	Insomnia, hysteria, cough, bronchitis, muscle pain, rheumatism
79	<i>Capparis sepiaria</i> L.	Hins	Capparaceae	Shrub	Wp	Analgesic, anti-allergic, antipyretic	Fever, liver disorders, diarrhoea
80	<i>Capparis zeylanica</i> L.	-	Capparaceae	Shrub	Rt, Bk, Lf	Anthelmintic	Cholera, piles
81	<i>Cardiospermum halicacabum</i> L.	Balloon Vine	Sapindaceae	Climber	Rt, Sd, Lf	Analgesic, anti-allergic,	Lung disorder, rheumatic pain
82	<i>Carica papaya</i> L.	Papaya	Caricaceae	Tree	Lt, Lf	Analgesic, anti-allergic, antiseptic	Ringworm, toothache, jaundice (Lt); Dengue fever (Lf)
83	<i>Carissa spinarum</i> L.	Jangli Karonda	Apocynaceae	Shrub	Rt, Bk	Antipyretic, purgative	Fever
84	<i>Casearia graveolens</i> Dalzell	-	Salicaceae	Tree	Rt	Hepatoprotective	Liver complaints

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85	<i>Casearia tomentosa</i> Roxb.	Chila	Salicaceae	Tree	Lf, Bk	Anthelmintic, antiseptic	skin diseases, stomachache
86	<i>Cassia fistula</i> L.	Amaltas	Fabaceae	Tree	Fr, Sd, Bk	Astringent	Diarrhoea, dysentery, diabetes, dropsy
87	<i>Cassine albens</i> (Retz.) Kosterm.	Ceylon Tea, Jamrasi	Celastraceae	Tree	Rt	Astringent	Dysentery
88	<i>Catharanthus roseus</i> (L.) G.Don	Sadabahar	Apocynaceae	Under Shrub	Wp, Lf	Analgesic, tonis	Cancer, menorrhoea, swelling
89	<i>Catunaregam spinosa</i> (Thunb.) Tirveng.	Madanphal	Rubiaceae	Tree	Fr, Rt, Bk	Astringent	Blood dysentery, malarial fever, rheumatic pain
90	<i>Cayaponia laciniosa</i> (L.) C.Jeffrey	Shivlingi	Cucurbitaceae	Climber	Sd	Tonic	infertility problems
91	<i>Cayratia trifolia</i> (L.) Domin	Bush Grape	Vitaceae	Climber	Rt, Lf	Antiseptic, hematanic	Anemia, cuts, wound
92	<i>Cedrus deodara</i> (Roxb. ex D.Don) G.Don	Deodar	Pinaceae	Tree	Wd	Diuretic, diaphoretic, carminative	Urinary problem
93	<i>Celastrus paniculatus</i> Willd.	Malkangani	Celastraceae	Climber	Sd oil, Bk	Analgesic, astringent	Body pain, bronchitis, Diarrhoea, dysentery, eczema, leprosy
94	<i>Celosia argentea</i> L.	Safed Murga	Amaranthaceae	Herb	Sd	Blood purifier	Blood disorders
95	<i>Centella asiatica</i> (L.) Urb.	Brahmi, Mandukparni	Apiaceae	Herb	Wp	Anthelmintic, astringent	blood dysentery, brain tonic
96	<i>Chamaecrista absus</i> (L.) H.S.Irwin & Barneby	-	Fabaceae	Herb	Sd	Ophthalmic, antiseptic	Eye disorder, skin diseases
97	<i>Cheilocostus speciosus</i> (J.Koenig) C.D.Specht	-	Costaceae	Herb	Rt	Anthelmintic, bronchodilators	Asthma, diabetes, dropsy, dysentery
98	<i>Chenopodium album</i> L.	Bahtwa	Amaranthaceae	Herb	Wp	Anthelmintic, laxative	Worm infestation and constipation
99	<i>Cissampelos pareira</i> L.	Patha	Menispermaceae	Climber	Rt, Lf	Antipyretic, antispasmodic	Colic pain, diarrhoea, cough, urinary trouble, fever, epilepsy
100	<i>Cissus repanda</i> Vahl	-	Vitaceae	Climber	St, Lf	Antiseptic, analgesic	Bone fracture, wounds
101	<i>Clematis gouriana</i> Roxb. ex DC.	Gourian Clematis	Ranunculaceae	Climber	St, Lf	Ophthalmic, antiseptic	Eye disease, skin infection
102	<i>Cleome viscosa</i> L.	Hurhur, Asian Spider Flower	Cleomaceae	Herb	Sd, Lf	Anthelmintic, astringent and antiseptic	Boils, diarrhoea
103	<i>Clerodendrum phlomidis</i> L.f.	Arna	Lamiaceae	Shrub	Rt	Tonic, astringent	Gonorrhoea
104	<i>Clerodendrum indicum</i> (L.) Kuntze	Barange	Lamiaceae	Shrub	Lf	Anthelmintic	Bronchitis, worm infestation
105	<i>Clitoria ternatea</i> L.	Aparajita	Fabaceae	Climber	Rt, Lf	Purgative, analgesic	Goitre, stomach pain, swelling
106	<i>Coccinia grandis</i> (L.) Voigt	Kanduri	Cucurbitaceae	Climber	Fr, Lf	Antitussive	Cough & cold, diabetes, filaria
107	<i>Cocculus hirsutus</i> (L.) W.Theob.	Broom Creeper	Menispermaceae	Climber	Lf, Rt	Antipyretic, ophthalmic	Fever, eye disorder, blood dysentery, eczema, gout, rheumatic pain
108	<i>Colebrookea oppositifolia</i> Sm.	Fox Tail	Lamiaceae	Shrub	Lf, Rt	Antiseptic, ophthalmic	Cough, cuts, eye complaints, toothache, epilepsy
109	<i>Colocasia esculenta</i> (L.) Schott	Taro	Araceae	Herb	Tub	Anticolic, analgesic	Colitis, alopecia, boils
110	<i>Commelina benghalensis</i> L.	Kankaua, Kanshura	Commelinaceae	Herb	Rt, Lf	Anti pyretic, hepatoprotective	Fever, liver problems (Rt); Honeybee biting (Lf)
111	<i>Convolvulus arvensis</i> L.	-	Convolvulaceae	Herb	Rt	Purgative	Abdominal disorders
112	<i>Convolvulus prostratus</i> Forssk.	Sankhpuspi	Convolvulaceae	Herb	Wp	Brain tonic	Brain related disorders
113	<i>Corchorus oleritorius</i> L.	Banphal, Kosta	Malvaceae	Herb	Sd	Purgative	Constipation
114	<i>Cordia dichotoma</i> G.Forst.	Lasura	Boraginaceae	Tree	Sd, Fr, Lf	Anthelmintic, expectorant	Lung disorder, colic pain,
115	<i>Cordia macleodii</i> Hook.f. & Thomson	Bara Lasora	Boraginaceae	Tree	Bk	Hepatoprotective	Jaundice.
116	<i>Corymbia citriodora</i> (Hook.) K.D.Hill & L.A.S.Johnson	Lemon-Scented Gum Eucalyptus	Myrtaceae	Tree	Bk	Antiallergic	Cough & cold

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117	<i>Crotalaria juncea</i> L.	Sunn Hemp	Fabaceae	Under Shrub	Lf, Sd	Blood, purifier,	Skin diseases
118	<i>Crotalaria medicaginea</i> Lamk.	-	Fabaceae	Herb	Wp	Laxative, blood purifier, styptic, febrifuge, diuretic	Constipation, blood disorders
119	<i>Crotalaria prostrata</i> Willd.	Prostrate Rattlepod	Fabaceae	Herb	Wp	Antiemetic	Emesis
120	<i>Crotalaria spectabilis</i> Roth	Showy Rattlepod	Fabaceae	Under Shrub	Lf, Wp	Analgesic, antiseptic	Rheumatic pain, scabies
121	<i>Cryptolepis dubia</i> (Burm.f.) M.R.Almeida	Krishnasariva	Apocynaceae	Climber	Rt	Antispasmodic, antipyretic	Stomach pain, cholera, epilepsy, malarial fever, rheumatic pain
122	<i>Cryptostegia grandiflora</i> R.Br.	Rubber ki Bel	Apocynaceae	Climber shrub	L	Antiseptic	Skin infection
123	<i>Curculigo orchoides</i> Gaertn.	Kali Musli	Hypoxidaceae	Herb	Rt, Tub	Tonic	Asthma, epilepsy, filaria
124	<i>Cuscuta reflexa</i> Roxb.	Amarbel	Convolvulaceae	Climber	Wp, Sd	Anthelmintic, purgative	Bone fracture, jaundice,
125	<i>Cyanthillium cinereum</i> (L.) H.Rob.	Sahdevi	Asteraceae	Herb	Sd, Wp	Anthelmintic, Sedative (Wp)	Piles (Sd)
126	<i>Cymbopogon martini</i> (Roxb.) W.Watson	-	Poaceae	Herb	Lf., Oil	Analgesic	Rheumatic pain, skin diseases
127	<i>Cymbopogon citratus</i> (DC.) Stapf	Lemon Grass	Poaceae	Herb	Lf	Carminative	Abdominal disorders
128	<i>Cynodon dactylon</i> (L.) Pers.	Durva	Poaceae	Herb	Wp	Astringent	Wounds, leprosy, to stop excessive bleeding during menstruation
129	<i>Dalbergia lanceolaria</i> subsp. <i>paniculata</i> (Roxb.) Thoth.	-	Fabaceae	Tree	Bk	Antipyretic	Fever, tongue infection
130	<i>Dalbergia sissoo</i> Roxb. ex DC.	Shisham	Fabaceae	Tree	Lf, Bk	Tonic, antiseptic	Gonorrhoea, dysentery, leprosy
131	<i>Datura metel</i> L.	Datura	Solanaceae	Under Shrub	Rt	Antiseptic	Snake bite, skin diseases
132	<i>Delonix regia</i> (Bojer ex Hook.) Raf.	Gulmohar	Fabaceae	Tree	Lf	Analgesic	Rheumatism
133	<i>Dendrophthoe falcata</i> (L.f.) Etting	Banda	Loranthaceae	Parasite	Rt, Wp	Brain tonic	Impotency, paralysis
134	<i>Desmodium oojainense</i> (Roxb.) H.Ohashi	Sandan	Fabaceae	Tree	Bk, Gum	Antidiarrhoeal, astringent	Febrifuge, dysentery, diarrhoea
135	<i>Desmodium triflorum</i> (L.) DC.	-	Fabaceae	Herb	Lf	Antidiarrhoeal, astringent	Diarrhoea, breast pain, toothache
136	<i>Desmodium gangeticum</i> (L.) DC.	Salparni	Fabaceae	Under Shrub	Rt	Expectorant, bronchodilator, analgesic, Antiemetic	Asthma, dysentery, fever, vomiting
137	<i>Digera muricata</i> (L.) Mart.	-	Amaranthaceae	Herb	Wp	Diuretic	Improves urinary blockages due to calculi.
138	<i>Dioscorea alata</i> L.	-	Dioscoreaceae	Climber	Tub	Laxative, vermifuge	Constipation, worm infestation
139	<i>Dioscorea belophylla</i> Voigt	-	Dioscoreaceae	Climber	Tub	Abortifacient (Tub)	Diabetes, eczema, psoriasis, intestinal parasites
140	<i>Dioscorea pentaphylla</i> L.	Ratalu	Dioscoreaceae	Climber	Tub	Expectorant, bronchodilator, analgesic	Asthma, rheumatic pain, dropsy
141	<i>Diospyros melanoxylon</i> Roxb.	Tendu	Ebenaceae	Tree	Lf, Fr	Antiseptic	Skin disease
142	<i>Diospyros montana</i> Roxb.	Vis Tendu	Ebenaceae	Tree	Fr, Bk, G	Expectorant, bronchodilator, antipyretic	Fever, jaundice, pleurisy, tuberculosis
143	<i>Dodonaea viscosa</i> Jacq.	Vilayati-Mehndi	Sapindaceae	Shrub	Fr, Lf	Expectorant, bronchodilator	Cough & cold, intestinal
144	<i>Drimia indica</i> (Roxb.) Jessop	-	Asparagaceae	Herb	B	Cardio tonic, diuretic, expectorant	Asthma, cough
145	<i>Drymaria cordata</i> (L.) Willd. ex Schult.	-	Caryophyllaceae	Herb	Wp	Expectorant, bronchodilator	Asthma, burns, diarrhoea, fever
146	<i>Dryopteris cochleata</i> (D. Don) C. Chr.	-	Dryopteridaceae	Fern	Rh.	Cardiac stimulant	Cardiac disease and nervine disorders.
147	<i>Eclipta prostrata</i> (L.) L.	Bhrigraj	Asteraceae	Herb	Wp	Expectorant, bronchodilator	Bronchitis, liver complaints, malarial fever
148	<i>Elaeocarpus serratus</i> L.	Ceylon Olive	Elaeocarpaceae	Tree	Fr	Analgesic, anticonvulsant, appetizer, cardiac stimulant, expectorant, bronchodilator	Asthama, cold and fever

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149	<i>Emilia sonchifolia</i> (L.) DC. ex DC.	-	Asteraceae	Herb	Rt, Wp	Antidiarrhoeal, astringent	Bowl complaints, Diarrhoea, cataract, wounds
150	<i>Erythrina suberosa</i> Roxb.	Dhaul Dhak	Fabaceae	Tree	Bk	Antidiarrhoeal, astringent	Diarrhoea, dysentery
151	<i>Euphorbia hirta</i> L.	Dudhi	Euphorbiaceae	Herb	Wp	Antiseptic, antiallergic,	Asthma, wart, colic pain, Diarrhoea, ringworm
152	<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch	Poinsettia	Euphorbiaceae	Shrub	L	Antiseptic	Used in skin diseases and warts.
153	<i>Euphorbia royleana</i> Boiss.	-	Euphorbiaceae	Shrub	L	Antiseptic, antiallergic,	Eczema, itches, warts
154	<i>Euphorbia thymifolia</i> L.	-	Euphorbiaceae	Herb	Wp	Antidiarrhoeal, astringent	Blood dysentery skin diseases, spermatorrhoea
155	<i>Euphorbia neriifolia</i> L.	Thor	Euphorbiaceae	Shrub	Lf	Analgesic	Rheumatic
156	<i>Evolvulus alsinoides</i> (L.) L.	Vishnu Kanta	Convolvulaceae	Herb	Lf	Antiseptic, antiallergic, expectorant, analgesic	Asthma, bronchitis, fever, ulcer
157	<i>Evolvulus nummularius</i> (L.) L.	-	Convolvulaceae	Herb	Wp	Antiseptic	Cuts, wounds, hysteria
158	<i>Ficus benghalensis</i> L.	Banyan Tree, Bargad	Moraceae	Tree	Fr, Bk, Rt	Aphrodisiac	Diabetes, Diarrhoea
159	<i>Ficus hispida</i> L.f.	Hairy Fig	Moraceae	Tree	Fr	Purgative,	Mouth ulcer, constipation
160	<i>Ficus racemosa</i> L.	Gular	Moraceae	Tree	Lf, Fr	Antidiarrhoeal, astringent	Diarrhoea, piles, bronchitis
161	<i>Ficus religiosa</i> L.	Pipal	Moraceae	Tree	Lf, Bk	Antiseptic, antiallergic, expectorant, analgesic	Vomiting (Lf); Throat infection, toothache (Bk)
162	<i>Fimbristylis dichotoma</i> (L.) Vahl	-	Cyperaceae	Herb	Rh	Antiseptic	Skin disease.
163	<i>Flacourtia indica</i> (Burm.f.) Merr.	Kandai	Salicaceae	Tree	Bk, Fr	Astringent, analgesic	Diarrhoea, eczema, jaundice, rheumatic pain
164	<i>Flemingia strobilifera</i> (L.) R. Br.	Wild Hops	Fabaceae	Under Shrub	Rt	Antipyretic,	Epilepsy, leucorrhoea
165	<i>Fumaria indica</i> (Hauskn.) Pugsley	Pit Papara	Papaveraceae	Herb	Wp	Anthelmintic, diuretic	Worm infestation
166	<i>Galactia tenuiflora</i> (Willd.) Wight & Arn.	-	Fabaceae	Climber	Lf, Sd	Anthelmintic	Worm infestation
167	<i>Garuga pinnata</i> Roxb.	Garuga, Kharpat	Burseraceae	Tree	Rt, Bk, Fr	Antiseptic	Diabetes, dysentery, skin diseases
168	<i>Geranium mascatens</i> Boiss.	-	Geraniaceae	Herb	Rt	Antipyretic	Jaundice, fever, Diarrhoea
169	<i>Gloriosa superba</i> L.	-	Colchicaceae	Climber	Rt	Antiallergic, analgesic, anthelmintic	Rheumatic pain, gonorrhoea
170	<i>Gmelina arborea</i> Roxb. ex Sm.	Gambhari	Lamiaceae	Tree	Bk	Antiallergic, expectorant, analgesic	Swelling, throat choke, rheumatism
171	<i>Grangea maderaspatana</i> (L.) Poir.	Madras Carpet	Asteraceae	Herb	Lf	Analgesic, antiseptic	Hysteria, menstrual complaints
172	<i>Grevillea robusta</i> A.Cunn. ex R.Br.	Silver Oak	Proteaceae	Tree	Lf	Antiseptic	Burn
173	<i>Grewia tiliifolia</i> Vahl	Dhaman	Malvaceae	Shrub	Rt	Antiseptic	Syphilis
174	<i>Grewia hirsuta</i> Vahl	Kukurbicha	Malvaceae	Tree	Rt	Antidiarrhoeal, astringent, anti pyretic, analgesic	Boils, dysentery, rheumatic pain, venereal diseases
175	<i>Haldina cordifolia</i> (Roxb.) Ridsdale	Haldu	Rubiaceae	Tree	Wd	Hepatoprotective	Jaundice
176	<i>Helicteres isora</i> L.	Marorphali	Malvaceae	Shrub	Fr, Rt	Antidiarrhoeal, astringent, anti pyretic,	Diarrhoea, anthelmintic, asthma, colic pain
177	<i>Hemidesmus indicus</i> (L.) W. T. Aiton.	Sariva	Apocynaceae	Climber	Rt	Antidiarrhoeal, astringent, anti pyretic, appetizer	Blood purifier, debility, diarrhoea, gonorrhoea
178	<i>Hesperethusa crenulata</i> (Roxb.) M. Roem.	Bilan	Rutaceae	Shrub	Fr, Rt	Anthelmintic, astringent	Diarrhoea, dysentery,
179	<i>Holarrhena pubescens</i> Wall. ex G.Don	Kutaj, Inderjaon	Apocynaceae	Tree	Bk, Sd	Antiallergic, expectorant, analgesic, antipyretic	Malarial fever, gastrointestinal trouble, asthma, colic pain
180	<i>Holoptelea integrifolia</i> Planch.	Indian Elm	Ulmaceae	Tree	Bk, Fl	Antiallergic, expectorant, analgesic	Boils, bone fracture, rheumatic pain, skin diseases

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181	<i>Hypodematiium crenatum</i> (Forssk.) Kuhn	-	Hypodematiaceae	Fern	Rh.	Antirabies	Rabies
182	<i>Hyptis suaveolens</i> (L.) Poit.	-	Lamiaceae	Under Shrub	Rt, Lf	Antiallergic, expectorant, analgesic	Bronchitis, leprosy, skin diseases toothache, wounds
183	<i>Ichnocarpus frutescens</i> (L.) W.T.Aiton	Black Creeper, Bakkar Bel	Apocynaceae	Climber	Rt, Lf	Antiallergic, expectorant, analgesic	Fever, skin eruption (Lf)
184	<i>Impatiens balsamina</i> L.	-	Balsaminaceae	Herb	Lf	Antiallergic, expectorant, analgesic	Eczema, itches, insect bites
185	<i>Indigofera astragalina</i> DC.	Silky Indigo	Fabaceae	Under Shrub	Rt	Antiallergic, expectorant, analgesic	Toothache
186	<i>Indigofera cassioides</i> DC.	Cassia Indigo	Fabaceae	Shrub	Lf	Antiallergic, expectorant, analgesic	Epilepsy, cough & cold
187	<i>Indigofera linifolia</i> (L.f.) Retz.	Narrowleaf Indigo	Fabaceae	Herb	Wp	Antiallergic, expectorant, analgesic	Sores, wounds, menorrhoea
188	<i>Indigofera linnaei</i> Ali	Birdsville Indigo	Fabaceae	Herb	Rt, Wp	Antidiarrhoeal, astringent,	Dysentery, stomachache, antifertility
189	<i>Ipomoea cairica</i> (L.) Sweet	Railway Creeper	Convolvulaceae	Climber	Sd	Purgative	Constipation
190	<i>Ipomoea eriocarpa</i> R. Br.	-	Convolvulaceae	Climber	Wp	Antiseptic, Analgesic	Rheumatic pain, epilepsy, leprosy, ulcer
191	<i>Ipomoea quamoclit</i> L.	-	Convolvulaceae	Climber	Lf	Antiseptic	Piles, carbuncles
192	<i>Jasminum multiflorum</i> (Burm.f.) Andrews	Kunda	Oleaceae	Climber	Bk	Antiseptic	Burns
193	<i>Jasminum sambac</i> (L.) Aiton	Arabian Jasmine	Oleaceae	Under Shrub	Lf, Rt	Antiseptic	Skin infection
194	<i>Jasminum arborescens</i> Roxb.	Chameli, Bankunda	Oleaceae	Climber	Rt	Febrifuge, antiseptic, analgesic	Fever, asthma, bronchitis
195	<i>Jatropha curcas</i> L.	Ratanjot	Euphorbiaceae	Shrub	Lf, Bk, Sd	Antiseptic, analgesic	Skin diseases, rheumatic pain, toothache, wounds
196	<i>Jatropha gossypifolia</i> L.	-	Euphorbiaceae	Shrub	Lf, L	Antiallergic, expectorant, analgesic	Toothache, cough & cold
197	<i>Justicia adhatoda</i> L.	Vasaka	Acanthaceae	Shrub	Lf	Antiallergic, expectorant	Cough, bronchitis
198	<i>Kydia calycina</i> Roxb.	Pula, Pulia	Malvaceae	Tree	Bk	Febrifuge, antiseptic, analgesic	Diabetes, rheumatic pain, boils,
199	<i>Lanea coromandelica</i> (Houtt.) Merr.	Jhingan	Anacardiaceae	Tree	Bk, Lf	Antidiarrhoeal, astringent, anti pyretic	Diarrhoea, toothache, sores, stomach disorder, ulcer
200	<i>Lantana camara</i> L.	Saptrangi	Verbenaceae	Shrub	Rt, Lf	Stomachic, antipyretic	Colic pain, ringworm, malarial fever
201	<i>Laphangium luteoalbum</i> (L.) Tzvelev	-	Asteraceae	Herb	Wp	Stomachic	Stomach disorder
202	<i>Lawsonia inermis</i> L.	Mehandi	Lythraceae	Shrub	Rt, Wp	Hepato-protective	Jaundice
203	<i>Leonotis nepetifolia</i> (L.) R.Br.	Granthi	Lamiaceae	Under Shrub	Fl, Sd	Antipyretic, antiseptic	Burns, eczema, malarial fever
204	<i>Lepidagathis cristata</i> Willd.	Crested Lepidagathis	Acanthaceae	Under Shrub	Wp	Antipyretic, antiseptic	Boils, itches
205	<i>Lepidium sativum</i> L.	Garden cress	Brassicaceae	Herb	Wp	Antiallergic, expectorant	Asthma, colic pain
206	<i>Leucas cephalotes</i> (Roth) Spreng.	Dronpuspi	Lamiaceae	Herb	Fl, Lf	Antidiarrhoeal, astringent, anti pyretic	Cough & cold, Diarrhoea, fever, malarial fever
207	<i>Litsea glutinosa</i> (Lour.) C.B.Rob.	Medasaka	Lauraceae	Tree	Bk	Antidiarrhoeal, astringent	Diarrhoea, dysentery, aphrodisiac
208	<i>Luffa acutangula</i> var. <i>amara</i> C.B.Clarke	Satputika	Cucurbitaceae	Climber	Fr	Antidiarrhoeal, astringent	Diarrhoea, fever, jaundice

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209	<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A.Chev.	Mahua	Sapotaceae	Tree	Fl, Bk	Hepato-protective	Diabetes, jaundice, bronchitis, colic pain, diabetes, gum trouble
210	<i>Mallotus philippensis</i> (Lam.) Müll.Arg.	Kamela	Euphorbiaceae	Tree	Fr	Antiseptic	Skin diseases.
211	<i>Malvastrum coromandelianum</i> (L.) Garcke	-	Malvaceae	Under Shrub	Rt, Lf	Aphrodisiac	Jaundice, rheumatic pain
212	<i>Mangifera indica</i> L.	Mango	Anacardiaceae	Tree	Fr, Bk, G	Antidiarrhoeal, astringent	Diarrhoea, dysentery, fever, stomachache, gum trouble
213	<i>Manilkara hexandra</i> (Roxb.) Dubard	Khirni	Sapotaceae	Tree	Fr, Bk	Antipyretic	gastrointestinal trouble
214	<i>Martynia annua</i> L.	Cat's Claw	Martyniaceae	Under Shrub	Sd, Lf	Analgesic	Eczema, rheumatic pain, epilepsy
215	<i>Melia azedarach</i> L.	Baken	Meliaceae	Tree	Fr, Lf	Anthelmintic, antiseptic, insecticidal	Skin diseases,
216	<i>Melilotus indicus</i> (L.) All.	Indian sweet-clover	Fabaceae	Herb	Sd	Antidiarrhoeal, astringent	Bowel complaints, infantile diarrhoea
217	<i>Melochia corchorifolia</i> L.	Bilpat	Malvaceae	Under Shrub	Lf	Antiallergic, expectorant	Leaves are used to treat against toxic effects.
218	<i>Millettia extensa</i> Benth. ex Baker f.	Gonj	Fabaceae	Tree	Rt, Sd	Analgesic	Sores, spleen disorder, toothache
219	<i>Mimosa pudica</i> L.	Chuimui	Fabaceae	Under Shrub	Wp	Anthelmintic, blood purifier	Worm infestation and blood disorders
220	<i>Mirabilis jalapa</i> L.	-	Nyctaginaceae	Herb	Rt, Lf	Aphrodisiac, purgative,	Boils, constipation
221	<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Faldu, Kemp	Rubiaceae	Tree	Bk	Aphrodisiac, digestive, antiallergic, expectorant	Fever, colic, muscular pain, burning sensation, poisoning, gynecological disorders, cough, edema
222	<i>Moringa concanensis</i> Nimmo	-	Moringaceae	Tree	Wp, Rt	Antiallergic	Eczema, epilepsy
223	<i>Moringa oleifera</i> Lam.	Sahjan	Moringaceae	Tree	Wp	Digestive, antiallergic, expectorant	Asthma, gastrointestinal trouble, dysentery, eczema
224	<i>Mucuna pruriens</i> (L.) DC.	Velvet bean	Fabaceae	Climber	Sd	Anthelmintic	Worm infestation
225	<i>Mukia maderaspatana</i> (L.) M.Roem.	Aganaki	Cucurbitaceae	Climber	Rt, Sd	Analgesic	Toothache, Diarrhoea
226	<i>Murraya koenigii</i> (L.) Spreng.	Kari Patta	Rutaceae	Shrub	Lf, Fr	Digestive, anthelmintic	Malarial fever, worm infestation
227	<i>Musa paradisiaca</i> L.	Banana	Musaceae	Herb	Fr	Antidiarrhoeal, astringent	Diarrhoea, dysentery
228	<i>Neolamarckia cadamba</i> (Roxb.) Bosser	Kadamb	Rubiaceae	Tree	Bk	Antipyretic	Fever, dysentery
229	<i>Nepeta hindostana</i> (B.Heyne ex Roth) Haines	Boya	Lamiaceae	Herb	Wp	Antiallergic, expectorant	Cold
230	<i>Nerium oleander</i> L.	Oleander	Apocynaceae	Tree	Lf	Antiallergic, expectorant	Asthma, dysentery, gum troubles
231	<i>Nicandra physalodes</i> (L.) Gaertn.	-	Solanaceae	Herb	Fr, Sd	Diuretic, anthelmintic	Intestinal worm
232	<i>Nyctanthes arbor-tristis</i> L.	Parijat	Oleaceae	Tree	Bk, Lf	Antipyretic, analgesic	Malarial fever, sciatica pain, intestinal worm
233	<i>Ocimum americanum</i> L.	Tulsi	Lamiaceae	Under Shrub	Lf	Antiallergic, expectorant, diuretic	Cough & cold
234	<i>Ocimum gratissimum</i> L.	Tulsi	Lamiaceae	Under Shrub	Lf	Antipyretic	Fever
235	<i>Ocimum tenuiflorum</i> L.	Tulsi	Lamiaceae	Under Shrub	Lf	Antiallergic, expectorant	Cough, cold and skin diseases
236	<i>Operculina turpethum</i> (L.) Silva Manso	-	Convolvulaceae	Climber	Rt	Purgative, hepato-protective	Jaundice
237	<i>Opuntia elatior</i> Mill.	Nagfani	Cactaceae	Shrub	Lf, Fr	Purgative, tonic	Constipation, gonorrhoea
238	<i>Oroxylum indicum</i> (L.) Vent.	Shyonaka, Tat Palanga	Bignoniaceae	Tree	Rt, Bk, Lf	Antidiarrhoeal	Stomachache, dysentery, snake bite (Rt); Jaundice, bone fracture (Bk); Diarrhoea, rheumatism

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239	<i>Oxalis corniculata</i> L.	Creeping Wood Sorrel	Oxalidaceae	Herb	Wp	Antidiarrhoeal	Diarrhoea, dysentery, epilepsy, cuts, wounds
240	<i>Oxalis dehradunensis</i> Raizada	-	Oxalidaceae	Herb	Lf	Tonic	Gastric ulcer
241	<i>Pergularia daemia</i> (Forssk.) Chiov.	Pergularia, Utaran	Apocynaceae	Climber	Lf	Antiallergic, expectorant,	Asthma, Diarrhoea, gastrointestinal trouble
242	<i>Peristrophe bicalyculata</i> (Retz.) Nees	-	Acanthaceae	Under Shrub	Wp	Analgesic	Jaundice, sprain, gout, rheumatism
243	<i>Persicaria barbata</i> (L.) H.Hara	-	Polygonaceae	Herb	Rt, Sd	Astringent, cooling	Colic pain,
244	<i>Phoenix acaulis</i> Roxb.	-	Arecaceae	Shrub	Rt	Tonic	Gonorrhoea
245	<i>Phyllanthus emblica</i> L.	Amla	Phyllanthaceae	Tree	Fr	Antiallergic, expectorant,	Bronchitis, diabetes, gastrointestinal trouble
246	<i>Phyllanthus reticulatus</i> Poir.	Panjuli	Phyllanthaceae	Under Shrub	Fr	Hematonic	Jaundice
247	<i>Phyllanthus urinaria</i> L.	-	Phyllanthaceae	Herb	Fr	Antidiarrhoeal	Diarrhoea, dysentery
248	<i>Phyllodium pulchellum</i> (L.) Desv.	Showy Desmodium	Fabaceae	Under Shrub	Rt		Burning sensation in abdomen
249	<i>Physalis minima</i> L.	Kaknaj	Solanaceae	Herb	Fr, Lf	Febrifuge	Gastric disorders, fever
250	<i>Pinus roxburghii</i> Sarg.	Chil, Pine	Pinaceae	Tree	O	Antiseptic, diuretic, rubefacient, vermifuge	Skin disorders
251	<i>Pistacia chinensis</i> subsp. <i>integerrima</i> (J. L. Stewart ex Brandis) Rech. f.	Karkatshringi	Anacardiaceae	Tree	Galls	Antiallergic, expectorant,	Allergy, cancer, hiccups, teething problems, whooping cough, cough, asthma, bronchitis, phthisis
252	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Jungle Jalebi	Fabaceae	Tree	Sd, Fl	Antileprotic	Leprosy, cooling agent
253	<i>Plumbago zeylanica</i> L.	Chitrak	Plumbaginaceae	Under Shrub	Fl, Rt, Sd	Appetizer,	Diarrhoea, eczema, indigestion
254	<i>Polygala arvensis</i> Willd.	-	Polygalaceae	Herb	Rt	Febrifuge	Fever, dizziness
255	<i>Polygonum plebeium</i> R.Br.	-	Polygonaceae	Herb	Wp, Rt	Antidiarrhoeal	Bowl complaint
256	<i>Pongamia pinnata</i> (L.) Pierre	Karanj	Fabaceae	Tree	Sd	Analgesic, expectorant, Antimalarial	Bronchitis, burns, eczema, fever
257	<i>Portulaca oleracea</i> L.	-	Portulacaceae	Herb	Wp, Lf	Blood purifier	Burn, fever
258	<i>Psidium guajava</i> L.	Common Guava	Myrtaceae	Tree	Lf	Analgesic	Mouth Ulcer
259	<i>Pueraria tuberosa</i> (Willd.) DC.	Vidari Kand	Fabaceae	Climber	Tub	Antiemetic, analgesic, expectorant	asthma, cholera, Diarrhoea
260	<i>Putranjiva roxburghii</i> Wall.	Putrajeevak	Putranjivaceae	Tree	Sd	Ophthalmic, aphrodisiac,	Burning sensation, thirst, elephantiasis, constipation, dysuria, semen disorders, infertility and female sexual disorders
261	<i>Ranunculus arvensis</i> L.	Jal Dhania	Ranunculaceae	Herb	Lf	Eczema	Skin disorders
262	<i>Rauwolfia serpentina</i> (L.) Benth. ex Kurz	Sarpagandha	Apocynaceae	Under Shrub	Rh	Anthelmintic, Antimalarial	Hypertension, malarial fever
263	<i>Remusatia vivipara</i> (Roxb.) Schott	-	Araceae	Herb	Tub	Analgesic	Cancer, arthritis.
264	<i>Rhynchosia minima</i> (L.) DC.	Kulthi	Fabaceae	Climber	Lf	Abortifacient	Urinary stone
265	<i>Ricinus communis</i> L.	Caster Plant, Arandi	Euphorbiaceae	Tree	Sd, Lf	Analgesic	Dropsy, gum trouble
266	<i>Salvia plebeia</i> R.Br.	Sathi, Sok	Lamiaceae	Herb	Wp	Analgesic, expectorant	Skin diseases
267	<i>Santalum album</i> L.	Chandan, Sandal	Santalaceae	Tree	O	Febrifuge, expectorant, analgesic	Colds, bronchitis, skin disorders, fever, infection of the urinary tract, inflammation of the mouth & pharynx, liver, gallbladder complaints
268	<i>Sapindus emarginatus</i> Vahl	Ritha	Sapindaceae	Tree	Bk, Sd	Analgesic, expectorant	Epilepsy, body pain
269	<i>Sapindus mukorossi</i> Gaertn.	Ritha	Sapindaceae	Tree	Sd		Dental caries, arthritis, common colds, constipation, nausea

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270	<i>Sauromatum venosum</i> (Dryand. ex Aiton) Kunth	Voodoo Lily	Araceae	Herb	Tub	Anti venom	Snake bite
271	<i>Scoparia dulcis</i> L.	-	Plantaginaceae	Herb	Wp	Antidiabetic	Dropsy, diabetes
272	<i>Senna occidentalis</i> (L.) Link	-	Fabaceae	Under Shrub	Lf, Sd	Anthelmintic	Eczema
273	<i>Senna tora</i> (L.) Roxb.	Stinking Cassia	Fabaceae	Under Shrub	Lf, Sd	Anthelmintic, hepatoprotective	eczema, jaundice
274	<i>Sida acuta</i> Burm.f.	-	Malvaceae	Under Shrub	Lf, Rt	Anthelmintic,	boils, gastric disorder, gonorrhoea
275	<i>Sida cordata</i> (Burm.f.) Borss. Waalk.	-	Malvaceae	Under Shrub	Wp, Lf, Rt	Bronchodilator, tonic, analgesic	Asthma, boils, gastric, gonorrhoea
276	<i>Sida cordifolia</i> L.	Kharenti, Bala	Malvaceae	Under Shrub	Wp, Sd, Lf	Anti-diarrhoeal, analgesic	Dysentery, gonorrhoea, rheumatic pain, leucorrhoea,
277	<i>Sida rhombifolia</i> L.	-	Malvaceae	Under Shrub	Rt, St	Tonic, analgesic	Asthma, boils, fever, rheumatic, gum infection
278	<i>Sigesbeckia orientalis</i> L.	St Paul's Wort	Asteraceae	Under Shrub	Wp	Antifungal	Ulcer, wounds, skin diseases
279	<i>Smilax zeylanica</i> L.	Ramdatoon	Smilacaceae	Climber	Rt	Antifungal	Venereal diseases
280	<i>Solanum americanum</i> Mill.	Makoy	Solanaceae	Herb	Wp	Hepatoprotective	Liver & skin disease
281	<i>Solanum erianthum</i> D.Don	Tirai	Solanaceae	Tree	Rt, Lf	Mild sedative, analgesic	Rheumatic pain (Rt), smoked as tobacco (Lf).
282	<i>Solanum surattense</i> Burm.f.	Kateli	Solanaceae	Shrub	Wp	Bronchodilator	Cough, cold, asthma
283	<i>Solanum virginianum</i> L.	Kanteli	Solanaceae	Under Shrub	Wp	Tonic	Spermatorrhoea
284	<i>Solanum incanum</i> L.	Bhatkataiya	Solanaceae	Shrub	Rt	Antispasmodic	Stomach pain
285	<i>Solena amplexicaulis</i> (Lam.) Gandhi	-	Cucurbitaceae	Climber	Lf, Fr	Tonic	Diabetes, cuts, fever, spermatorrhoea
286	<i>Spondias pinnata</i> (L.f.) Kurz	Amra, Ambara	Anacardiaceae	Tree	Bk, Lf	Anti-diarrhoeal	Dysentery, cholera, Diarrhoea, earache, itching
287	<i>Sterculia villosa</i> Roxb.	Udal	Malvaceae	Tree	Rt, Bk	Diuretic, anti-diarrhoeal	Dysentery, swelling, constipation
288	<i>Stereospermum chelonoides</i> (L.f.) DC.	Padal	Bignoniaceae	Tree	Bk	Diuretic, tonic	Asthma, stomach diseases and urinary disorders
289	<i>Syzygium cumini</i> (L.) Skeels	Jamun	Myrtaceae	Tree	Wp	Anti-malarial	malarial fever
290	<i>Tamarindus indica</i> L.	Tamarind, Imli	Fabaceae	Tree	Sd, Fr, Lf	Anthelmintic, digestive,	Dropsy, toothache, urinary complaint, boils,
291	<i>Taraxacum campyloides</i> G.E.Haglund	Dandelion	Asteraceae	Herb	Wp	-	Gall bladder and urinary disorders, gallstones, jaundice, cirrhosis, dyspepsia with constipation, edema, chronic joint, gout, eczema, acne
292	<i>Tephrosia purpurea</i> (L.) Pers.	Sarpunkha	Fabaceae	Under Shrub	Rt	Antitussive	Asthma, bronchitis, fever, piles, liver complaints
293	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Arjun	Combretaceae	Tree	Bk	Cardio tonic,	Blood pressure, cardiac disorders
294	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Bahera	Combretaceae	Tree	Fr	Anti-diarrhoeal	Stomach disease
295	<i>Terminalia catappa</i> L.	Desi badam	Combretaceae	Tree	Fr	Tonic	General debilities
296	<i>Terminalia chebula</i> Retz.	Harad	Combretaceae	Tree	Fr, Bk	Antitussive	Bronchitis, colic pain, diabetes
297	<i>Thalictrum javanicum</i> Blume	-	Ranunculaceae	Herb	Rt	Anti-diarrhoeal, tonic, analgesic	Abdominal pain, boils earache, eczema, eye disorder, toothache

298	<i>Thespesia lampas</i> (Cav.) Dalzell & A. Gibson	Ban-Kapas	Malvaceae	Shrub	Lf, Sd	Anti-inflammatory, anthelmintic	Gonorrhoea, worm infestation
299	<i>Tinospora cordifolia</i> (Willd.) Miers	Giloy	Menispermaceae	Climber	Wp	Cough, urinary diseases, dyspepsia, cold, fever	
300	<i>Toona ciliata</i> M. Roem.	Tun	Meliaceae	Tree	Bk, Lf	Antitussive, anti-diarrhoeal	Antiseptic, dysentery, fever, bronchitis
301	<i>Trema orientalis</i> (L.) Blume	Indian Charcoal Tree	Cannabaceae	Shrub	Rt	Anti-diarrhoeal	Diarrhoea, urinary trouble
302	<i>Tribulus terrestris</i> L.	Gokhuru	Zygophyllaceae	Herb	Fr, Wp	Antitussive	Cough, cold, leucorrhoea, liver, complaints, impotency
303	<i>Trichodesma indicum</i> (L.) Lehm.	Indian Borage	Boraginaceae	Herb	Lf, Rt	Tonic, Anti-diarrhoeal	Eczema, boils, stomach pain
304	<i>Trichosanthes cucumerina</i> L.	Snake Gourd	Cucurbitaceae	Climber	Fr	Purgative	Jaundice
305	<i>Tridax procumbens</i> (L.) L.	Coatbuttons	Asteraceae	Herb	Lf	Antiseptic	Boils
306	<i>Triumfetta rhomboidea</i> Jacq.	-	Malvaceae	Under Shrub	Rt, Lf	Analgesic and Anti-diarrhoeal	Diarrhoea, dysentery, stomachache
307	<i>Uraria picta</i> (Jacq.) Desv. ex DC.	Dabra	Fabaceae	Under Shrub	Wp	Antidote	snake-bite
308	<i>Urena lobata</i> L.	-	Malvaceae	Under Shrub	Lf, Rt	Analgesic and Anti-diarrhoeal	Diarrhoea, dysentery, hyperacidity, lumbago
309	<i>Ventilago denticulata</i> Willd.	Kali Bel	Rhamnaceae	Liana	Sd, Bk	Anti-inflammatory	Rheumatic pain, ulcer, syphilis, skin infection
310	<i>Viola canescens</i> Wall.	Vanapsa	Violaceae	Herb	Wp	Antitussive	Cough & cold
311	<i>Viola odorata</i> L.	Vanapsa	Violaceae	Herb	Wp	Antitussive	Cough & cold
312	<i>Viola pilosa</i> Blume	Vanapsa	Violaceae	Herb	Wp	Antitussive	Cough & cold
313	<i>Vitex negundo</i> L.	Nirgundi	Lamiaceae	Tree	Lf, Rt, Fl	Anti-diarrhoeal	Colic pain, diarrhoea, diuretic, eczema
314	<i>Wendlandia heynei</i> (Schult.) Santapau & Merchant	Tilak	Rubiaceae	Tree	Wp	Anthelmintic	Worm infection, constipation, general weakness, gum inflammation & dental caries
315	<i>Withania somnifera</i> (L.) Dunal	Asgand, Aswagandha	Solanaceae	Under Shrub	Rt	Tonic, Antitussive	Bronchitis, drowsy, epilepsy, rheumatic pain
316	<i>Woodfordia fruticosa</i> (L.) Kurz	Dhataki	Lythraceae	Shrub	Fl	Used for fermentation	Cough & cold, uterine disorder
317	<i>Wrightia arborea</i> (Dennst.) Mabb.	-	Apocynaceae	Tree	Bk	Febrifuge	Diabetes, fever, piles
318	<i>Zanthoxylum armatum</i> DC.	Timru	Rutaceae	Shrub	Lf, Wp, Sd	Analgesic	Tooth problems, abscesses, arthritis, bruises, gastritis, swellings
319	<i>Zea mays</i> L.	Makka, Makki	Poaceae	Herb	Lf, Rt, Corn	Diuretic	Dysuria (Lf, Rt). Diabetes, constipation, gout, gonorrhoea (Corn).
320	<i>Zingiber officinale</i> Roscoe	Sonth	Zingiberaceae	Herb	Rh	Analgesic	Body pain, cough & cold
321	<i>Ziziphus jujuba</i> Mill.	Ber	Rhamnaceae	Tree	Rt	Anti-rheumatic	Rheumatism, gout
322	<i>Ziziphus oenopolia</i> (L.) Mill.	Jackal Jujube, Makoh	Rhamnaceae	Climber	Fr	Anti-diarrhoeal	Stomach disorder
323	<i>Zornia gibbosa</i> Span.	-	Fabaceae	Herb	Rt, Wp	CNS depressant, analgesic	Cramps, dysentery, sedative, spermatorrhoea

Abbreviations:

Rt: Root, Rh: Rhizome, B: Bulb, St: Stem, Bk: Bark, L: Latex, G: Gum, Lf: Leaf, P: Peduncle, Fl: Flower, Fr: Fruit, Sd: Seed; Sd Oil: Seed Oil, Tub: Tuber, Wp: Whole plant, O: Oil



Fig.1. Map of Haryana showing Study Area (Morni Hills)

rhizome, bulb, stem, bark, latex, gum, leaves, peduncle, flower, fruit, seed, tuber, whole plant and oil are used for the treatment of various diseases. These plant parts are effective against cuts and wounds, fever, joint pain, headache, constipation, diarrhoea, eye disorders, skin ailments, cough and cold, antidote for poisonous insects, stomach disorders, urinary troubles, liver complaints, digestive problems, jaundice, asthma, bronchitis, inflammations, anamia, piles, mental disorder, abdominal pain, bone fracture, paralysis, epilepsy, impotency, general weakness etc.

CONCLUSION

The need for the present work has been felt by the authors to provide basic information to the ethnobotanists, phytochemists and pharmacologists working on medicinal plants. The information of all potential medicinal plants based on traditional uses and data recorded from literature have been incorporated so that the natural resources may be utilized as an alternative source of drugs for the benefit of mankind without affecting the natural ecosystem. Furthermore, the over-exploitation of species for fuel, fodder, medicine, wild edibles and house building may lead to decline of these species from the forest area. Conservation and cultivation of these plants species will help to maintain the ecological balance, traditional knowledge as well as livelihood security of local inhabitants. This study will be beneficial for ethnobotanists, phytochemists and pharmacologists for further critical investigation of medicinal plants present in Morni Hills.

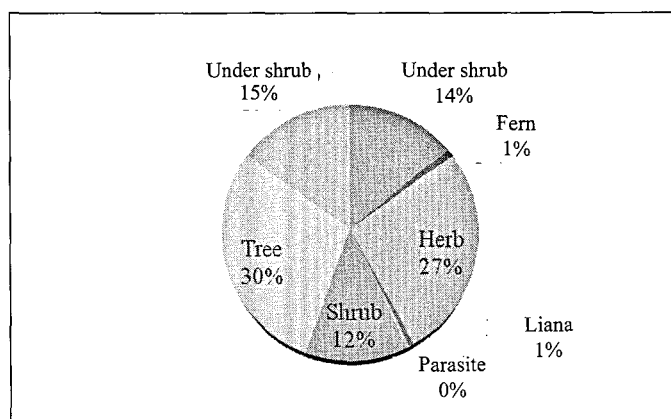


Fig.2. Habit pattern of plant species recorded under study area

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