



The Power of Nature in Managing Diabetes: A Database of Ethno Indigenous Plants in India

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Abstract

The ethno anti-diabetic plant database of India is a comprehensive compilation of indigenous plants used in traditional medicine for the treatment of diabetes mellitus. This database contains information on 1305 plant species that have been reported to have anti-diabetic properties based on ethnobotanical surveys, scientific research, and traditional knowledge. The plants have been categorized according to their scientific name, family, local name, parts used and availability among the 29 States. The database aims to provide a valuable resource for researchers, healthcare professionals, and the general public to explore the potential of traditional medicine in the management of diabetes. It also highlights the need for further scientific investigations into the efficacy and safety of these plants for the development of new anti-diabetic drugs.

Keywords: Anti-diabetic Drug, Diabetes, Ethno, Traditional System of Medicine

1. Introduction

Diabetes is one of the most difficult global epidemics of the 21st century¹. It is one of the top 10 global killers, accounting for 4 million fatalities in 2017². Over the past 20 years, the number of persons with diabetes has more than doubled globally^{1,2}. Diabetes can be classified into three types: type 1, type 2, and gestational diabetes². Most people with type 1 diabetes are children or adolescents. In 2017, there were 1,106,500 children with type 1 diabetes². Although type 2 diabetes is typically seen in adults, it is becoming more prevalent in children and adolescents as a result of rising obesity rates, inactivity, and poor diet. In 2019, there were 372 million adults who were at risk of having type 2 diabetes and diabetes during pregnancy affected more than 21 million lives in 2017². The rise of type 2 diabetes in kids, teens, and young people is one of this rapid increase's most concerning trends³. By 2030, the estimated number will rise to 101.2 million. According to WHO, 90% of

the worldwide population suffers from type 2 Diabetes (T2DM). But out of that 80% of the population live in developing countries. India ranks second globally with it (WHO, 2013). The existing burden of the disease, coupled with sedentary lifestyles and changes in dietary patterns, is rapidly increasing among India's middle-class family¹. Serious health problems such as cardiovascular disease, stroke, chronic kidney disease, foot ulcers, damage to the eyes, and chronic renal may occur if diabetes is not treated. There is currently no long-term treatment for diabetes and patients have to depend on a healthy lifestyle and timely medication². Different classes of oral hypoglycaemic agents such as Biguanides (Metformin), Sulfonylureas (Acetohexamide, Glibenclamide), Thiazolidinediones (Rosiglitazone) etc,⁴ are present in the market for the treatment of type-2 diabetes but this drug is associated with side effect related to pharmacokinetic properties, secondary failure rates, hypoglycaemia, gastrointestinal disturbances, skin reactions, haematological disorders, and rise in hepatic enzyme

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level⁵. However, sulfonylurea derivatives and glitazone compounds an effective synthetic diabetes drugs but failed. Restore glycaemic index^{6,7} adverse side effects, namely: liver inhibition Regeneration⁸ induced obesity⁹ and osteoporosis¹⁰. To avoid these adverse effects of the sympathetic products herbal medicine can be a better alternative¹¹. Traditional systems of medicine have been using natural products for thousands of years all across the world, and they have developed into well-organized, controlled systems of medicine¹². Medicinal herbs have long been used to treat diabetes, but only a few of them have undergone adequate scientific validation and clinical evaluation. Consequently, providing a scientific justification for a plant's activity in context with current experimental data is imperative¹³. It is true that India's highly developed ancient systems which are Ayurveda, Unani, and Siddha—all of which are based on drugs extracted from plants are amazing. Traditional systems of medicine have been using natural products for thousands of years all across the world, and they have now developed into well-organized, controlled systems of medicine¹⁴. In Indian systems of medicine, most doctors create and administer their prescriptions. The 21,000 plants that have been utilized as medications internationally are recognized by the World Health Organization (WHO). Of these 2500 species, 150 are exploited commercially on a sizable basis in India. India is known as the "world's botanical garden" and is the country that produces the most medicinal plants. The present study concentrates on plants and herbal medicine preparations used to treat type 1 diabetes, a serious condition that cripples people all over the world and causes enormous economic losses¹⁵.

2. Materials and Methods

To create an ethno antidiabetic drug database of India, we conducted a comprehensive literature search using various electronic databases, including PubMed, ScienceDirect, Web of Science, Scopus, and Google Scholar. The search was limited to articles published in English, Hindi and local languages from 1960 to 2023. After screening the articles for relevance, we extracted data on the names of the plants used, their parts used, and the traditional use of these plants for diabetes management. We also collected data on the active compounds present in these plants and their reported antidiabetic activities. We then verified the scientific evidence supporting the anti-diabetic properties of the identified plants by cross-referencing them with published ethno-antidiabetic literature. The identified plant species were classified according to their scientific names, local Name, plant family, parts used in diabetes, and availability among the 29 states. The database was constructed using Microsoft Excel and Microsoft Word, and the information was arranged in tables and figures for easy access and understanding. To ensure the accuracy and reliability of the information, the database was reviewed and validated by experienced herbalists. Additionally, the quality of the evidence supporting the anti-diabetic properties of the identified plants was assessed using the Cochrane collaboration tool for assessing the risk of bias. Overall, the ethno-antidiabetic drug database of India is a valuable resource for researchers, herbalists, and clinicians interested in the traditional use of medicinal plants for the management of diabetes.

Table 1. A list of plant species used to treat diabetes in India through herbal remedies

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
Andhra Pradesh						
1	<i>Abelmoschus esculentus</i>	<i>Bhenda</i>	Malvaceae	Root	Andhra Pradesh	16
2	<i>Abrus precatorius</i> L	<i>Guravindha</i>	Fabaceae	Roots, leaves and seeds	Andhra Pradesh	16
3	<i>Abutilon indicum</i>	<i>Tutturabenda</i>	Malvaceae	Root and bark	Andhra Pradesh	16
4	<i>Acacia arabica</i>	<i>Tella tumma</i>	Mimosaceae	Bark	Andhra Pradesh	16
5	<i>Acalypha indica</i>	<i>Kuppaimeni</i>	Euphorbiaceae	Leaf	Andhra Pradesh	16
6	<i>Achyranthes aspera</i> L	<i>Naaiurvi</i>	Amaranthaceae	Root	Andhra Pradesh	16

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
7	<i>Aconitum chasmanthum</i>	Monk wood	Ranunculaceae	Fruits	Andhra Pradesh	16
8	<i>Aegle marmelos</i>	Maredu	Rutaceae	Leaf	Andhra Pradesh	16
	<i>Agave Americana</i>	Sothukattalai	Asparagaceae	Leaf	Andhra Pradesh	16
9	<i>Allium cepa</i> L	Erragaddalu or Vullipaya	Liliaceae	Seed	Andhra Pradesh	16
10	<i>Aloe barbadensis</i>	Musambaramy Chinnakalabanda	Liliaceae	Leaf	Andhra Pradesh	16
11	<i>Amaranthus spinosus</i> L	Mullatotakura	Amrathaceae	Whole plant	Andhra Pradesh	16
12	<i>Amaranthus viridis</i> L.	Thoia, Mullukkeerai	Amaranthaceae	Whole plant	Andhra Pradesh	16
13	<i>Anacardium occidentale</i> L	Jidimamidi	Anacardiaceae	leaves	Andhra Pradesh	16
	<i>Andropogon citratus</i>	Kamanchi kasu, Nimmagaddi.	Poaceae	Root and flower	Andhra Pradesh	16
14	<i>Andrographis paniculata</i>	Nelavemu	Acanthaceae	Leaf	Andhra Pradesh	16
15	<i>Annona reticulata</i> L	Seetha	Annonaceae	Leaves	Andhra Pradesh	16
16	<i>Annona squamosa</i> L	Ramaseethe	Annonaceae	Leaves	Andhra Pradesh	16
17	<i>Anogeissus latifolia</i>	Velema	Combretaceae	Bark	Andhra Pradesh	16
	<i>Arachis hypogea</i>	Verusenaga	Fabaceae	Root	Andhra Pradesh	16
18	<i>Asphodelus tenuifolius</i>	Kufer, Kawther	Xanthorrhoeaceae	Root, leaf	Andhra Pradesh	16
19	<i>Azadirachta indica</i> (L.) Adalb.	Vembu	Meliaceae	Root,bark	Andhra Pradesh	16
20	<i>Bambusa arundinacea</i>	Moongil, Veduru	Poaceae	Leaves	Andhra Pradesh	16
21	<i>Boerhavia diffusa</i> L	Mukiratai	Nyctaginaceae	Leaf	Andhra Pradesh	16
22	<i>Bombax malabaricum</i>	Burugu	Bombaceae	Bark	Andhra Pradesh	16
23	<i>Bougainvillea spectabilis</i>	Kagithampoolu	Nyctaginaceae	Leaves	Andhra Pradesh	16
24	<i>Cajanus indica</i>	Thuvarai	Fabaceae	Leaves, Root	Andhra Pradesh	16
25	<i>Calotropis gigantea</i> (L.)	Erukku, Tella gilledu	Asclepiadaceae	Leaves, flower	Andhra Pradesh	16
26	<i>Canna indica</i>	Kalvalai	Cannaceae	Roots,rhizomes	Andhra Pradesh	16
27	<i>Capsicum annum</i>	Milagaai	Solanaceae	Seed	Andhra Pradesh	16
28	<i>Carica papaya</i>	Pappali	Caricaceae	Leaves	Andhra Pradesh	16
29	<i>Cassia auriculata</i>	Tangedu	Caesalpiniaceae	Flowers	Andhra Pradesh	16
30	<i>Cassia fistula</i>	Relachettu	Caesalpiniaceae	Stem,bark	Andhra Pradesh	16
31	<i>Cassia occidentalis</i>	Peeperambi,Thagarai, Kasintha	Caselpinaceae	Leaves,seed	Andhra Pradesh	16
32	<i>Catharanthus roseus</i> (L)	Billganneru	Apocynaceae	Leaf	Andhra Pradesh	16
33	<i>Centella asiatica</i>	Sarswathiaku	Apiaceaeae	Leaf	Andhra Pradesh	16
34	<i>Cleome visoca</i> L.	Naaivelai	Capparaceae	Leaves, seed	Andhra Pradesh	16
35	<i>Cissus quadrangularis</i> L.	Nalleru	Vitaceae	Stem	Andhra Pradesh	16
36	<i>Citrullus colocynthis</i> (L)	Verripuccha	Cucurbitaceae	Roots,seed	Andhra Pradesh	16
37	<i>Cleome gynandra</i> L.	Vominta	Capparidaceae	Root	Andhra Pradesh	16
38	<i>Cleome viscosa</i> L.	Kukka Vominta	Capparidaceae	Leaves,root	Andhra Pradesh	16

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
39	<i>Clitoria ternatea</i> L.	Sankupushpam	Fabaceae	Flower	Andhra Pradesh	16
40	<i>Coccinia grandis</i> (L)	Dondateega	Cucurbitaceae	Leaf	Andhra Pradesh	16
41	<i>Cochlospermum religiosum</i> (L)	Kondagogu	Bixaceae	Root	Andhra Pradesh	16
42	<i>Coleus amboinicus</i> Lour	Vammaku	Lamiaceae	Leaves	Andhra Pradesh	16
43	<i>Commelina benghalensis</i>	Venneveduru	commelinaceae	Stem	Andhra Pradesh	16
44	<i>Coriandrum sativum</i> L.	Kotimiri	Apiaceae	Leaves,seed	Andhra Pradesh	16
45	<i>Crotalaria verrucosa</i> L.	Gilligiccha	Fabaceae	Leaves	Andhra Pradesh	16
46	<i>Croton bonplandianum</i> Baillon	Rushfoil and crot on	Euphorbiaceae	Root	Andhra Pradesh	16
47	<i>Curcuma longa</i> L.	Pasupu	Zingiberaceae	Rhizomes	Andhra Pradesh	16
48	<i>Dalbergia sissoo</i>	Sisso	Fabaceae	Bark	Andhra Pradesh	16
49	<i>Datura metel</i>	Oomthai	Solanaceae	Root	Andhra Pradesh	16
50	<i>Dolichos biflorus</i> Lour	Ulavalu	Fabaceae	Seed	Andhra Pradesh	16
51	<i>Dolichos lablab</i>	Chikkudu	Fabaceae	Seeds	Andhra Pradesh	16
52	<i>Duranta erecta</i> L.	Madulai, Golden Dewdrop	Verbenaceae	Flower	Andhra Pradesh	16
53	<i>Eclipta alba</i>	Guntegalagara	Asteraceae	Leaves	Andhra Pradesh	16
54	<i>Eclipta prostrate</i> (L)	Guntegalagara	Asteraceae	Leaves	Andhra Pradesh	16
55	<i>Euphorbia hirta</i> L.	Pacchaku	Euphorbiaceae	Leaves	Andhra Pradesh	16
56	<i>Ficus benghalensis</i> L.	Marri	Moraceae	Roots	Andhra Pradesh	16
57	<i>Ficus racemosa</i> L.	Atti	Moraceae	Barks,leaves	Andhra Pradesh	16
58	<i>Ficus religiosa</i> L.	Ravi	Moraceae	Bark	Andhra Pradesh	16
59	<i>Gmelina asiatica</i> L	Adavigummadi	Verbenaceae	Leaf,root	Andhra Pradesh	16
60	<i>Gloriosa superb</i>	Adavinabhi	Liliaceae	Seed	Andhra Pradesh	16
61	<i>Gossypium herbaceum</i>	Pratti	Malvaceae	Seed	Andhra Pradesh	16
62	<i>Gymnema sylvestre</i> (Retz.)	Podapatri	Asclepiadaceae	Leaves	Andhra Pradesh	16
63	<i>Hemidesmus indicus</i> (L)	Sugandhapala	Asclepiadaceae	Roots	Andhra Pradesh	16
64	<i>Hibiscus rosa-sinensis</i> L	Sembaruthi, Mandara	Malvaceae	Roots	Andhra Pradesh	16
65	<i>Jasminum angustifolium</i>	Adavimalle	Oleaceae	Leaves	Andhra Pradesh	16
66	<i>Kalanchoe pinnata</i> (L)	Ranapala	Crassulaceae	Leaves	Andhra Pradesh	16
67	<i>Lantana camara</i> L	Pulikampa, gajukampa	Verbinaceae	Leaf	Andhra Pradesh	16
68	<i>Lawsonia inermis</i> L.	Gorintaku	Lythraceae	Leaf	Andhra Pradesh	16
69	<i>Limonia acidissima</i> L.	Velegachettu	Rutaceae	Leaf	Andhra Pradesh	16
70	<i>Madhuca indica</i>	Ippa	Sapotaceae	Fruits	Andhra Pradesh	16
71	<i>Mangifera indica</i> L	Mamidi	Anacardiaceae	Leaves	Andhra Pradesh	16
72	<i>Melia azedirach</i> L	Turakavepa	Meliaceae	Stem, bark	Andhra Pradesh	16
73	<i>Mentha spicata</i> L.	Pudina	Lamiaceae	Leaves, fruits	Andhra Pradesh	16
74	<i>Michelia champaca</i> L.	Manusampangi	Magnoliaceae	Leaves	Andhra Pradesh	16

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
75	<i>Mimosa pudica</i> L.	Attipatti or Maduthadamara	Nyctaginaceae	Flower	Andhra Pradesh	16
76	<i>Mirabilis jalapa</i>	Chandrakantha	Nyctaginaceae	Leaves	Andhra Pradesh	16
77	<i>Mollugo cerviana</i>	Parpat	Molluginaceae	Root	Andhra Pradesh	16
78	<i>Momordica charantia</i>	Kakara	Cucurbitaceae	Leaves	Andhra Pradesh	16
79	<i>Moringa oleifera</i>	Munaga	Moringaceae	Leaves,seed	Andhra Pradesh	16
80	<i>Morus alba</i> L.	Tut	Moraceae	Leaves	Andhra Pradesh	16
81	<i>Mucuna pruriens</i> (L)	Dulagondi	Fabaceae	Fruits,leaves, root	Andhra Pradesh	16
82	<i>Murraya Koenigii</i> (L)	Karivepaku	Rutaceae	Leaf	Andhra Pradesh	16
83	<i>Musa paradisiaca</i>	Arati	Musaceae	Leaves	Andhra Pradesh	16
84	<i>Nelumbium speciosum</i>	Kamalam	Nelumbonaceae	Leaves,fruits	Andhra Pradesh	16
85	<i>Nerium odorum</i>	Ganneru	Apocynaceae	Stem	Andhra Pradesh	16
86	<i>Nicotiana tabacum</i>	Pogaku	Solanaceae	Leaf	Andhra Pradesh	16
87	<i>Nyctanthes arbourtristis</i> L.	Parijathamu	Oleaceae	Flower	Andhra Pradesh	16
88	<i>Ocimum sanctum</i>	Thulasi	Lamiaceae	Leaves,flower	Andhra Pradesh	16
89	<i>Ocimum tenuiflorum</i> L.	Manchitulasi	Lamiaceae	Leaves	Andhra Pradesh	16
90	<i>Opuntia dillenii</i>	Bonthajamudu	Cactaceae	Leaf	Andhra Pradesh	16
91	<i>Oroxylum indicum</i> (L.)	Pampana	Bignoniaceae	Fruits	Andhra Pradesh	16
92	<i>Oryza sativa</i>	Vari	Poaceae	Root,stem	Andhra Pradesh	16
93	<i>Oxallas corniculata</i> L.	Pulichintha	Oxalidaceae	Bark	Andhra Pradesh	16
94	<i>Papaver somniferum</i>	Nallamandu	Papavaraceae	Fruits	Andhra Pradesh	16
95	<i>Phyllanthus emblica</i> L.	Usirika	Euphorbiaceae	Seeds	Andhra Pradesh	16
96	<i>Phyllanthus fraternus</i> p. niruri	Nela usiri	Euphorbiaceae	Fruits	Andhra Pradesh	16
97	<i>Pimpinella tirupatiensis</i>	Kothimire	Apiaceae	Leaves	Andhra Pradesh	16
98	<i>Piper betle</i> L.	Tamalapaku	Piperaceae	Leaves	Andhra Pradesh	16
99	<i>Piper longum</i>	Pippallu	Piperaceae	Leaves	Andhra Pradesh	16
100	<i>Polyalthia longifolia</i>	Naramamidi,asoka	Annonaceae	Root	Andhra Pradesh	16
101	<i>Pongamia pinnata</i>	Kanuga	Fabaceae	Leaves	Andhra Pradesh	16
102	<i>Portulaca oleracea</i> L.	Pappukuraku	Portulacaceae	Leaf	Andhra Pradesh	16
103	<i>Pterocarpu smarsupium</i>	Yegisa	Fabaceae	Leaf	Andhra Pradesh	16
104	<i>Punica granatum</i>	Danimma	Punicaceae	Stem	Andhra Pradesh	16
105	<i>Rauwolfia serpentine</i>	Papataku	Apocynaceae	Leaves	Andhra Pradesh	16
106	<i>Ricinus communis</i>	Amudamu	Euphorbiaceae	Root	Andhra Pradesh	16
107	<i>Rosa centifolia</i>	Rose	Rosaceae	Root	Andhra Pradesh	16
108	<i>Rosa damascene</i>	Rose	Rosaceae	Leaves	Andhra Pradesh	16
109	<i>Saccharum officinar</i>	Cheruku	Poaceae	Leaves,stem	Andhra Pradesh	16
110	<i>Santalum album</i>	Srigandhamu	Santalaceae	Leaf	Andhra Pradesh	16
111	<i>Sapindus emargeinatus</i>	Kunkudu	Sapindaceae	Stem	Andhra Pradesh	16
112	<i>Saraca asoca</i>	Asoka, janjelamu	Caesalpiniaceae	Leaves	Andhra Pradesh	16

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
113	<i>Semicarpus anacardium</i> L.	Nallajeedi	Anacardiaceae	Flower	Andhra Pradesh	16
114	<i>Sesbania grandiflora</i> (L.)	Avise	Fabaceae	Stem bark	Andhra Pradesh	16
115	<i>Sida cordifolia</i>	Gayapaku	Malvaceae	Flower	Andhra Pradesh	16
116	<i>Solanum melongena</i>	Vankaya	Solanaceae	Root	Andhra Pradesh	16
117	<i>Sorghum vulgare</i>	Jonna	Poaceae	Fruits	Andhra Pradesh	16
118	<i>Syzygium cumini</i> (L.)	Neredu	Myrtaceae	Stem	Andhra Pradesh	16
119	<i>Tamarindus indica</i> L.	Chintha	Caesalpiniaceae	Leaves	Andhra Pradesh	16
120	<i>Tectona grandis</i>	Teku	Verbenaceae	Fruits	Andhra Pradesh	16
121	<i>Tephrosia purpurea</i> (L.)	Vempali	Fabaceae	Bark	Andhra Pradesh	16
122	<i>Terminalia catappa</i>	Pateebadam	Combretaceae	Roots	Andhra Pradesh	16
123	<i>Terminalia chebula</i>	Nallakaraka	Combretaceae	Leaf	Andhra Pradesh	16
124	<i>Thespesia populnea</i> (L.)	Gangaravi	Malvaceae	Fruits	Andhra Pradesh	16
125	<i>Tinospora cordifolia</i> (Wild)	Tippateega	Menispermaceae	Bark,leaf	Andhra Pradesh	16
126	<i>Trianthema portulacastrum</i>	Galijeru	Aizoaceae	Stem	Andhra Pradesh	16
127	<i>Tribulus terrestris</i> L.	Palleru	Zygophyllaceae	Seed	Andhra Pradesh	16
128	<i>Tridax procumbens</i>	Balapaku,Gayapaku	Asteraceae	Fruits	Andhra Pradesh	16
129	<i>Triticum aestivum</i>	Goduma	Poaceae	Whole plant	Andhra Pradesh	16
130	<i>Vinca rosea</i>	Billa ganneru	Apocyanaceae	Seed	Andhra Pradesh	16
131	<i>Withania somnifera</i>	Panneru gadda	Solanaceae	Leaves	Andhra Pradesh	16
132	<i>Zea mays</i>	Mokkajonna	Poaceae	Leaf,root	Andhra Pradesh	16
133	<i>Zingiber officinale</i>	Allam	Zingiberaceae	Rhizomes	Andhra Pradesh	16
134	<i>Zizyphus jujube</i>	Regu, pedda regu	Rhamnaceae	Rhizomes	Andhra Pradesh	16
Arunachal Pradesh						
135	<i>Abelmoschus esculentus</i> (L.)	Bendi	Malvaceae	Seed	Arunachal Pradesh	17
136	<i>Acacia caesia</i> (L.) Willd.	Yakrung lota	Caesalpiniaceae	Stem	Arunachal Pradesh	17
137	<i>Annona squamosa</i> L.	Miklang/Atlash Kathal	Annonaceae	Seed	Arunachal Pradesh	17
138	<i>Ardisia pedunculosa</i>	Tasankai	Myrsinaceae	Fruit/seed	Arunachal Pradesh	17
139	<i>Averrhoa carambola</i> L.	Kurangi	Averrhoaceae	Fruit	Arunachal Pradesh	17
140	<i>Azadirachta indica</i> Juss..	Neem	Meliaceae	Leaf	Arunachal Pradesh	17
141	<i>Bauhinia purpurea</i> L.	Sekang	Caesalpiniaceae	Bark and seed	Arunachal Pradesh	17
142	<i>Begonia roxburghii</i>	Siltetoi	Begoniaceae	Leaf	Arunachal Pradesh	17
143	<i>Bidens pilosa</i> L. var. minor (Bl.)	Mutkein	Asteraceae	Leaf	Arunachal Pradesh	17
144	<i>Calamus tenuis</i> Roxb.	Bet	Arecaceae	Young shoot	Arunachal Pradesh	17
145	<i>Callicarpa arborea</i> Roxb.	Mach kota	Verbenaceae	Bark	Arunachal Pradesh	17
146	<i>Citrus aurantiifolia</i>	Betul Tenga	Rutaceae	Seed	Arunachal Pradesh	17
147	<i>Clerodendrum colebrookianum</i>	Helle Yasak	Verbenaceae	Leaf	Arunachal Pradesh	17

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
148	<i>Clerodendrum viscosum</i> Vent.	Dupat teeta	Verbenaceae	Leaf	Arunachal Pradesh	17
149	<i>Coptis teeta</i> Wall.	Mishmi Tita	Ranunculaceae	Root	Arunachal Pradesh	17
150	<i>Cudrania cochinchinensis</i>	Melangkei	Moraceae	bark	Arunachal Pradesh	17
151	<i>Curcuma caesia</i> Roxb.	Humen	Zingiberaceae	Rhizome	Arunachal Pradesh	17
152	<i>Dillenia indica</i>	Yayo/ Oh tenga	Dilleniaceae	Fruit	Arunachal Pradesh	17
153	<i>Diplazium esculentu</i>	Dekia	Athyraceae	Young frond	Arunachal Pradesh	17
154	<i>Ficus hispida</i>	Mukongpong	Moraceae	Leaf	Arunachal Pradesh	17
155	<i>Ipomoea aquatica</i>	Humen	Convolvulaceae	Leaf and young shoots	Arunachal Pradesh	17
156	<i>Lectuca gracilis</i>	Tangmuka	Asteraceae	Whole plant	Arunachal Pradesh	17
157	<i>Millingtonia hortensis</i> L.f	Meteka	Bignoniaceae	Flower	Arunachal Pradesh	17
158	<i>Momordica dioica</i> Roxb	Bhat Karela	Cucurbitaceae	Fruit	Arunachal Pradesh	17
159	<i>Monochoria vaginalis</i>	Meteka bon	Pontederiaceae	Whole plant	Arunachal Pradesh	17
160	<i>Moringa oleifera</i> (L.)	Sajona	Moringaceae	Pod	Arunachal Pradesh	17
161	<i>Murraya koenigii</i> (L.)	Kari	Rutaceae	Leaf	Arunachal Pradesh	17
162	<i>Oxalis griffithii</i>	Yasompi	Oxalidaceae	Leaf	Arunachal Pradesh	17
163	<i>Paederia scandens</i>	Pada lata	Rubiaceae	Leaf	Arunachal Pradesh	17
164	<i>Panax pseudo-ginseng</i>	Ginsang	Araliaceae	Tuber	Arunachal Pradesh	17
165	<i>Pongamia pinnata</i> (L.)	Yakopi	Papilionaceae	Seed	Arunachal Pradesh	17
166	<i>Saccharum spontaneum</i> L	Kahua	Poaceae	Young shoot	Arunachal Pradesh	17
167	<i>Scoparia dulcis</i> L	Meeta boon	Scrophulariaceae	Leaf	Arunachal Pradesh	17
168	<i>Solanum viarum</i>	Mopu	Solanaceae	Fruit	Arunachal Pradesh	17
169	<i>Sonchus arvensis</i>	Yanpi	Asteraceae	Leaf	Arunachal Pradesh	17
170	<i>Spondias pinnata</i>	Pakang/Amra	Anacardiaceae	Fruit pulp	Arunachal Pradesh	17
171	<i>Stephania glandulifera</i>	Bhimraj/Tubukilota	Menispermaceae	Tuber	Arunachal Pradesh	17
172	<i>Tamarindus indica</i> L	Teitli	Cesalpiniaceae	Pod/Seed	Arunachal Pradesh	17
173	<i>Terminalia arjuna</i>	Arjun gash	Combretaceae	Stem bark	Arunachal Pradesh	17
174	<i>Terminalia chebula</i> Retz.	Hellica	Combretaceae	Fruit	Arunachal Pradesh	17
175	<i>Tinospora cordifolia</i>	Kakyungha or Sagunilota	Menispermaceae	Leaf	Arunachal Pradesh	17
Assam						
176	<i>Adhatoda vasica</i> Nees	Bogabahok	Acanthaceae	Root	Assam	18
177	<i>Aechmea fasciata</i>	Aechmea	Bromeliaceae	Whole plant	Assam	18
178	<i>Aegle marmelos correa</i>	Bel	Rutaceae	Leaf	Assam	18
179	<i>Albizia procera</i> Benth	Koroi	Mimosaceae	Root, leaf, flower	Assam	18
180	<i>Alocacia indica</i> Schott	Mankachu	Araceae	Rhizome	Assam	18
181	<i>Aloevera tournex</i> Linn	Ghrita kumari	Liliaceae	Leaf	Assam	18
182	<i>Ananas comosus</i> (L) merr	Matikathal	Bromeliaceae	Whole plant	Assam	18
183	<i>Andrographis paniculata</i> Nees	Kalmegh	Acanthaceae	Whole plant	Assam	18

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
184	<i>Annona reticulata</i> Linn	<i>Aatlas</i>	Annonaceae	Bark	Assam	18
185	<i>Annona squamosa</i> Linn	<i>Manga</i>	Annonaceae	Leaf	Assam	18
186	<i>Antidesma acidum</i> Retz	<i>Nikhutenga</i>	Euphorbiaceae	Leaf	Assam	18
187	<i>Antocarpus heterophyllus</i> Linn	<i>Kothal</i>	Moraceae	Leaf	Assam	18
188	<i>Areca catechu</i> Linn	<i>Tamul</i>	Arecaceae	Nut	Assam	18
189	<i>Artocarpus lokoocha</i> Roxb.	<i>Diwatenga</i>	Moraceae	Bark	Assam	18
190	<i>Averrhoa carambola</i> Linn.	<i>Kardoi</i>	Oxalidaceae	Bark	Assam	18
191	<i>Bombox malabaricum</i> DC	<i>Simolu</i>	Bombacaceae	Root	Assam	18
192	<i>Bougainvillea spectabilis</i> Willd	<i>Bougainvella</i>	Nyctaginiaceae	Leaf	Assam	18
193	<i>Caesalpinia crista</i> Linn.	<i>Lataguti</i>	Caesalpiniaceae	Seed	Assam	18
194	<i>Cajanus cajan</i> Mill	<i>Rahar</i>	Papilionaceae	Leaf	Assam	18
195	<i>Canna indica</i> Linn	<i>Parijat</i>	Cannaceae	Leaf,Stem	Assam	18
196	<i>Cannabis sativa</i> Linn	<i>Bhang</i>	Cannabaceae	Leaf,stem,flower	Assam	18
197	<i>Carrica papaya</i> Linn	<i>Amita</i>	Carricaceae	Seed	Assam	18
198	<i>Casia alata</i> Linn.	<i>Khorpat</i>	Caesalpiniaceae	Tender,leaf	Assam	18
199	<i>Cassia angastifolia</i> Linn	<i>Channa</i>	Caesalpiniaceae	Leaf	Assam	18
200	<i>Cassia fistula</i> Linn.	<i>Sunaru</i>	Caesalpinaceae	Flower,seed, stem,bark	Assam	18
201	<i>Cassia occidentalis</i> Linn.	<i>Bonoriadadol</i>	Caesalpinaceae	Seed,stem	Assam	18
202	<i>Cassia sophera</i> Linn	<i>Bonmadelua</i>	Caesalpinaceae	Seed,stem,bark	Assam	18
203	<i>Cassia tora</i> Linn.	<i>Sarumadelua</i>	Caesalpinaceae	Seed	Assam	18
204	<i>Centella asiatica</i> Linn.	<i>Bormanimuni</i>	Apiaceae	Whole plant	Assam	18
205	<i>Ciceracida</i> Linn.	<i>Holfoli</i>	Euphorbiaceae	Leaf	Assam	18
206	<i>Cinnamomum tamala</i> fr. Nus	<i>Tezput</i>	Lauraceae	Stem,bark.root	Assam	18
207	<i>Citrus aurantifolia</i> Linn	<i>Nemu</i>	Rutaceae	Fruit	Assam	18
208	<i>Citrus aurantium</i> Linn.	<i>Kamala</i>	Rutaceae	Fruit	Assam	18
209	<i>Coccinia indica</i> cogn	<i>Balipoka</i>	Cucurbitaceae	Fruit, root	Assam	18
210	<i>Cocos nucifera</i> Linn.	<i>Narikol</i>	Arecaceae	Fruit,flower	Assam	18
211	<i>Colocasia esculenta</i> (L) Scholl	<i>Kolakachu</i>	Araceae	Roots	Assam	18
212	<i>Cordia dichotoma</i> Frost f.	<i>Bhutadrum</i>	Bonagraceae	Leaf,fruit.	Assam	18
213	<i>Coriandrum sativum</i> Linn.	<i>Dhania</i>	Apiaceae	Leaf	Assam	18
214	<i>Curcuma domesticaval</i>	<i>Halodhi</i>	Zingiberaceae	Leaf,rhizome	Assam	18
215	<i>Curcuma aromatic</i> Salisb	<i>BonoriaHalodhi</i>	Zingibenaceae	Rhizome	Assam	18
216	<i>Cynodon dactylon</i> Pers	<i>Dubori</i>	Poaceae	Whole plant	Assam	18
217	<i>Daucas carota</i> Linn	<i>Gajor</i>	Apiaceae	Root	Assam	18

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	Referenes
218	<i>Dillenia indica</i> Linn.	<i>Aautenga</i>	Dilleniaceae	Fleshy perianth	Assam	18
219	<i>Dioscorea alata</i> Linn.	<i>Kath alu</i>	Dioscoreaceae	Rhizome	Assam	18
220	<i>Eleusine coracana</i>	<i>Ragi</i>	Poaceae	Stem base	Assam	18
221	<i>Enhydra fluctuans</i> Lour	<i>Haleshi</i>	Asteraceae	Stem	Assam	18
222	<i>Erythrina indica</i> Linn	<i>Moder</i>	Papilionaceae	Root	Assam	18
223	<i>Eugenia jambolana</i> Linn	<i>Kala Jamu</i>	Myrtaceae	Fruit,Bark,Seed.	Assam	18
224	<i>Euphorbia hirta</i> Linn.	<i>Gakhirotibon</i>	Euphorbiaceae	Whole plant	Assam	18
225	<i>Ficus benghalensis</i> Linn.	<i>Bot</i>	Moraceae	Stem,bark	Assam	18
226	<i>Ficus glomerata</i> Roxb.	<i>Jangyadimoru</i>	Moraceae	Leaf,fruit	Assam	18
227	<i>Ficus heterophylla</i> Linn	<i>Dimoru</i>	Moraceae	Seed	Assam	18
228	<i>Ficus religiosa</i> Linn.	<i>Ahot</i>	Moraceae	Root,root bark	Assam	18
229	<i>Garcinia padunculata</i> Roxb.	<i>Borthekera</i>	Clusiaceae	Fruit	Assam	18
230	<i>Gloriosa superba</i> Linn.	<i>Gloriosa</i>	Liliaceae	Whole plant	Assam	18
231	<i>Glycine max</i> Merr	<i>Soyabeen</i>	Papilionaceae	Seed	Assam	18
232	<i>Gmelina arborea</i> Roxb.	<i>Gomari</i>	Verbenaceae	Leaf, fruit	Assam	18
233	<i>Grewia abutelifolia</i> Juss.	<i>Petuk</i>	Tiliaceae	Fruit	Assam	18
234	<i>Heliotropium indicum</i> Linn.	<i>Hatisur</i>	Heliotropiaceae	Aerial part	Assam	18
235	<i>Holoptelea integrifolia</i> Planch	<i>Holoptelia</i>	Ulmaceae	Bark	Assam	18
236	<i>Holorrhena antidysenterica</i> wall	<i>Kutaz</i>	Apocyanaceae	Bark, fruit	Assam	18
237	<i>Hydrocotyle rolundifolia</i> Roxb.	<i>Soru manimuni</i>	Apiaceae	Whole plant	Assam	18
238	<i>Hydrolea zeylanica</i> Bahl.	<i>Indranil</i>	Hydrophyllaceae	Leaf, twig	Assam	18
239	<i>Ichnocarpus frutescent</i> R. Bn.	<i>Syamalota</i>	Apocyanaceae	Root	Assam	18
240	<i>Imperata cylindrica</i> Beauv	<i>Ulukher</i>	Poaceae	Root	Assam	18
241	<i>Ipomoea aquatic</i> Forsk	<i>Kalmou</i>	Convolvulaceae	Leaf, twig	Assam	18
242	<i>Jatropha curcus</i> Linn.	<i>Bongaliara</i>	Euphorbiaceae	Leaf, twig	Assam	18
243	<i>Litsea glutinosa</i> (lour) CB Robins	<i>Haluca</i>	Lauraceae	Leaf	Assam	18
244	<i>Madhuka indica</i> Gmel	<i>Mohua</i>	Sapotaceae	Bark, Seed	Assam	18
245	<i>Mangifera indica</i> Linn	<i>Aam</i>	Anacardiaceae	Fruit	Assam	18
246	<i>Melia azadirachta</i> Linn	<i>Mohaneem</i>	Meliaceae	Leaf	Assam	18
247	<i>Mimosa pudica</i> Linn.	<i>Nilazibon</i>	Mimosaceae	Whole plant	Assam	18
248	<i>Moringa oleifera</i> Linn	<i>Sogina</i>	Moringaceae	Bark, flower, leaf	Assam	18
249	<i>Mormordica charantia</i> Linn	<i>Tita Karela</i>	Cucurbitaceae	Leaf, fruit	Assam	18
250	<i>Morus indica</i> Linn	<i>Nuni</i>	Moraceae	Tender leaf	Assam	18
251	<i>Mucuna pruriens</i> DC	<i>Bandarkakura</i>	Papilionaceae	Root	Assam	18

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
252	<i>Murraya koeningii</i> Sprang	Narasingha	Rutaceae	Leaf	Assam	18
253	<i>Musa paradisiacal</i> Linn.	Kashkol	Musaceae	Flower, fruit	Assam	18
254	<i>Musa sapientum</i> Linn.	Monohorkol	Musaceae	Inflorescences	Assam	18
255	<i>Nelumbo nucifera</i> Gaertn	Podumful	Nelumbaceae	Tender leaf	Assam	18
256	<i>Nyctanthes arbor-tristis</i> Linn	Sewali	Oleaceae	Leaf, flower	Assam	18
257	<i>Ocimum americanum</i> Linn.	Kola tulosi	Lamiaceae	Peteole	Assam	18
258	<i>Osbeckia nepalensis</i> Hook	Photkola(Boga)	Melastomaceae	Tender shoot	Assam	18
259	<i>Oxalis corniculata</i> Linn	Tangasi	Oxalidaceae	Whole plant	Assam	18
260	<i>Phyllanthus emblica</i> Linn	Amlakhi	Euphorbiaceae	Fruit	Assam	18
261	<i>Phyllanthus niruri</i> Linn	Bonamlokhi	Euphorbiaceae	Whole plant	Assam	18
262	<i>Plumeria acuminata</i>	Sun champa	Apocyanaceae	Bark	Assam	18
263	<i>Premna latifolia</i> Roxb	Agnimantha	Verbenaceae	Leaf, Bark	Assam	18
264	<i>Psidium guyava</i> Linn	Madhuri	Myrtaceae	Fruit, leaf	Assam	18
265	<i>Saraca indica</i> Linn	Ashok	Caesalpiniaceae	Fruit	Assam	18
266	<i>Sesbania sesban</i> Merrill	Jayanti	Papilionaceae	Leaf, tender stem	Assam	18
267	<i>Solanum indicum</i> Linn.	Bhakuritita	Solanaceae	Fruit	Assam	18
268	<i>Solanum tuberosum</i> Linn	Alu	Solanaceae	tuber	Assam	18
269	<i>Spondias mangifera</i> wild	Amara	Anacardiaceae	Fruit	Assam	18
270	<i>Sterculia villosa</i> Roxb.	Udal	Starculiaceae	Root	Assam	18
271	<i>Streblus asper</i> Lour	Sewra	Moraceae	Bark	Assam	18
272	<i>Swetia chirayta</i> Roxb.	Cherota	Gentianaceae	Aerial plant	Assam	18
273	<i>Tabernaemontana divericota</i> (L) R. Br.	Kothalphool	Apocyanaceae	Leaf	Assam	18
274	<i>Terminalia catapa</i> Linn.	Badam(des)	Combretaceae	Fruit, seed	Assam	18
275	<i>Terminalia chebuta</i> Roxb.	Selekha	Combretaceae	Fruit	Assam	18
276	<i>Thevetia peruviana</i> (pers) Merrill	Halodhiakorobi	Apocyanaceae	Bark	Assam	18
277	<i>Tinospora cordifolia</i> Miers	Sidhilota	Menispermaceae	Leaf, bark	Assam	18
278	<i>Tinospora crista</i> Miers	Saguni lata	Menispermaceae	Leaf, root	Assam	18
279	<i>Trigonella foenumgraceum</i> Linn	Mithi	Papilionaceae	Seed	Assam	18
280	<i>Vinca rosea</i> Linn (<i>Cartharanthus roseus</i>)	Nayantora	Apocyanaceae	Leaf	Assam	18
281	<i>Adhatoda vasica</i> Nees.	Vasakpata	Acanthaceae	Roots, leaves and flower	Assam	19
282	<i>Aegle marmelos</i> Correa ex Roxb.	Bel	Rutaceae	Leaves, Fruits	Assam	19
283	<i>Albizia procera</i> (Roxb.) Benth.	Koroi, Kurha	Mimosaceae	Leaves, flower, bark	Assam	19

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
284	<i>Allium cepa</i> Linn	Piyaz	Amaryllidaceae	Rhizome	Assam	19
285	<i>Allium sativum</i> Linn.	Garlic	Liliaceae	Bulb	Assam	19
286	<i>Alocasia indica</i> (Lour.) Spach	Mankach,	Araceae	Rhizome	Assam	19
287	<i>Aloe vera</i> Tourn ex Linn.	Salkowari	Liliaceae	Leaves	Assam	19
288	<i>Alpinia galanga</i> (L.) Willd	Bogi-tora;	Zingiberaceae	Tuber, rhizome	Assam	19
289	<i>Amomum linguiforme</i> (Roxb.) Baker	Karpur	Zingiberaceae	Rhizome	Assam	19
290	<i>Antides maacidum</i> Retz.	Nekhontenga;	Euphorbiaceae	Leaves	Assam	19
291	<i>Ananas comosus</i> (L.) Merr	Mati kothal	Bromeliaceae	Whole plant, leaves, Fruit	Assam	19
292	<i>Andrographis paniculata</i> (Burm. f.) Nees	Kalmegh	Acanthaceae	Whole plant	Assam	19
293	<i>Annona squamosa</i> Linn.	Atloch	Annonaceae	Bark	Assam	19
294	<i>Areca catechu</i> Linn	Tamol-goch	Arecaceae	Nuts	Assam	19
295	<i>Artocarpus heterophyllus</i> Lam	Kothal	Moraceae	Leaves	Assam	19
296	<i>Azadirachta indica</i> A. Juss..	Neem	Meliaceae	Leaves, seed	Assam	19
297	<i>Bonnaya reptans</i> (Roxb.) Spreng	Kausidarya	Linderniaceae	Leaves	Assam	19
298	<i>Beta vulgaris</i> Linn.	Beet	Chenopodiaceae	Root	Assam	19
299	<i>Bombax ceiba</i> Linn.	Simolu	Bombacaceae	Flower, root and bark	Assam	19
300	<i>Bryophyllum pinnatum</i> (Lam.) Oken	Dupor-tenga	Crassulaceae	Leaves	Assam	19
301	<i>Caesalpinia crista</i> Linn.	Lataguti	Fabaceae	Seed	Assam	19
302	<i>Cajanus cajan</i> (L.) Millsp.	Arahar-mah	Fabaceae	Leaves	Assam	19
303	<i>Calotropis gigantea</i> (L.) Dryand.	Akon	Apocynaceae	Leaves	Assam	19
304	<i>Cannabis sativa</i> Linn.	Bhang	Cannabinaceae	Seed	Assam	19
305	<i>Carica papaya</i> Linn.	Amita	Cariaceae	Seed, fruit	Assam	19
306	<i>Senna alata</i> (L.) Roxb.	Khorpat	Fabaceae	Tender leaves	Assam	19
307	<i>Cassia angustifolia</i> Vahl.	Senna	Fabaceae	Flower, seed, stem bark	Assam	19
308	<i>Senna sophera</i> (L.) Roxb.	Bormadeluwa	Fabaceae	Seeds and stem bark	Assam	19
309	<i>Catharanthus roseus</i> (L.) G. Don	Noyontora	Apocyanaceae	Leaves	Assam	19
310	<i>Centella asiatica</i> (L.) Urb.	Bar manimuni	Apiaceae	Whole plant	Assam	19
311	<i>Phyllanthus acidus</i> (L.) Skeels	Poraamlokhi;	Phyllanthaceae	Leaves	Assam	19
312	<i>Cicer acida</i> Linn.	Holfoli	Euphorbiaceae	Leaves	Assam	19

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
313	<i>Cinnamomum impressinervium</i> Meisn	Tezpat	Lauraceae	leaves	Assam	19
314	<i>Citrus aurantifolia</i> Linn	KajiNemu	Rutaceae	Fruit	Assam	19
315	<i>Citrus aurantium</i> Linn.	JoraNemu	Rutaceae	Fruit	Assam	19
316	<i>Clerodendrum serratum</i> (L.) Moon	Bharangi	Verbinaceae	Whole plants	Assam	19
317	<i>Coccinia grandis</i> (L.) Voigt	Kurula	Cucurbitaceae	Leaves, fruit	Assam	19
318	<i>Cocos nucifera</i> Linn.	Narikol	Arecaceae	Fruit	Assam	19
319	<i>Colocasia esculenta</i> (L.) Schott	Kolakachu	Araceae	Rhizome	Assam	19
320	<i>Coriandrum sativum</i> Linn	Dhonia	Apiaceae	Leaves	Assam	19
321	<i>Coptis teeta</i> Wall.	Mishmi tita	Rununculaceae	Root, leaves	Assam	19
322	<i>Curcuma aromatica</i> Salisb.	Katri	Zingibenaceae	Rhizome	Assam	19
323	<i>Curcuma longa</i> L.	Halodhi	Zingiberaceae	Leaves, rhizome	Assam	19
324	<i>Cynodon dactylon</i> (L.) Pers	Dubori-bon	Poaceae	Whole plant	Assam	19
325	<i>Dillenia indica</i> Linn	Ou-tenga	Dilleniaceae	Fruit, Flower	Assam	19
326	<i>Dillenia pentagyna</i> Roxb.	Okshi	Dilleniaceae	Ripe fruit	Assam	19
327	<i>Dioscorea alata</i> Linn.	Kath-aalu	Dioscoreaceae	Rhizome	Assam	19
328	<i>Elettaria cardamomum</i> (L.) Maton	Elaichi	Zingiberaceae	Fruit, seed and leaf	Assam	19
329	<i>Emblica officinalis</i> Gaertn.	Amlokhi	Euphorbiaceae	Fruits, Whole plant	Assam	19
330	<i>Erythrina variegata</i> L	Modar	Fabaceae	Root	Assam	19
331	<i>Ficus benghalensis</i> Linn.	Bot gos	Moraceae	Stem, bark	Assam	19
332	<i>Ficus glomerata</i> Roxb.	Dimoru	Moraceae	Leaf, fruit, Root	Assam	19
333	<i>Ficus religiosa</i> Linn	Ahot	Moraceae	Root and bark	Assam	19
334	<i>Ficus virens</i>	Dimoru	Moraceae	leaf	Assam	19
335	<i>Garcinia pedunculata</i>	Borthekera	Clusiaceae	Fruit pulp	Assam	19
336	<i>Glycine max</i> Merr.	Soyabean	Fabaceae	Seed	Assam	19
337	<i>Gmelina arborea</i> Roxb.	Gomari	Lamiaceae	Leaf, fruit	Assam	19
338	<i>Hemidesmus indicus</i> L.	Anantamul	Apocynaceae	root	Assam	19
339	<i>Holarrhena antidysenterica</i>	Kurchi	Apocynaceae	Seed, bark	Assam	19
340	<i>Ichnocarpus frutescens</i> R. Bn	Lamkandol	Apocynaceae	root	Assam	19
341	<i>Imperata cylindrica</i> Beauv.	Kahuwa bon	Poaceae	Root	Assam	19
342	<i>Ipomoea aquatica</i> Forssk	Kalmou	Convolvaceae	leaves	Assam	19
343	<i>Kalanchoe pinnata</i> Pers.	Doportenga	Crassulaceae	Whole plant	Assam	19
344	<i>Mangifera indica</i> L	Aam	Anacardiaceae	Leaves and fruits	Assam	19
345	<i>Mimosa pudica</i> Linn.	Nilazibon	Mimosaceae	Whole plant	Assam	19

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
346	<i>Momordica charantia</i>	Titakerela	Cucurbitaceae	Fruit juice	Assam	19
347	<i>Morus indica</i> Linn	Nuni	Moraceae	Tender leaf	Assam	19
348	<i>Murraya koenigii</i>	Norosingha	Rutaceae	Leaf extract	Assam	19
349	<i>Musa balbisiana</i> Colla.	Athiakol	Musaceae	Aerial stem	Assam	19
350	<i>Musa paradisiaca</i> L	Kashkol	Musaceae	Mucha	Assam	19
351	<i>Nymphaea rubra</i> L	Sewali	Oleaceae	Leaf, stem and flower	Assam	19
352	<i>Ocimum sanctum</i> L.	Tulsi	Lamiaceae	Leaf, stem, flower twing	Assam	19
353	<i>Paspalum fimbriatum</i> kunth	Koya bon	Poaceae	Whole plant	Assam	19
354	<i>Phlogacanthus thrysiflorus</i> Nees.	Titaphul	Acanthaceae	Flower, leaf	Assam	19
355	<i>Phyllanthus emblica</i> L.	Amlokhi	Euphorbiaceae	Seeds	Assam	19
356	<i>Plumeria acuminata</i>	Champa	Apocyanaceae	Bark	Assam	19
357	<i>Psidium guajava</i> Linn.	Madhuri aam	Myrtaceae	Fruit, leaf	Assam	19
358	<i>Rauwolfia tetraphylla</i> L.	Helash	Apocynaceae	Root	Assam	19
359	<i>Rosa alba</i> L.	Golapphul	Rosaceae	Flower	Assam	19
360	<i>Saracaindica</i> Linn	Ashok	Caesalpiniaceae	Fruit	Assam	19
361	<i>Sesbania sesban</i>	Jayanti	Fabaceae	Leaf	Assam	19
362	<i>Solanum xanthocarpum</i>	Vekuritita	Solanaceae	Juice extract	Assam	19
363	<i>Swertica chirata</i> L.	Chirata	Gentianaceae	Whole plant	Assam	19
364	<i>Syzygium aromaticum</i>	long	Myrtaceae	Flower bud	Assam	19
365	<i>Syzygium cumini</i> L.	Kola jamu	Myrtaceae	Bark	Assam	19
366	<i>Tabernaemontana divaricate</i> L	Kothondaphool	Apocynaceae	Leaf	Assam	19
367	<i>Terminalia arjuna</i> Linn	Arjun	Combretaceae	Bark	Assam	19
368	<i>Terminalia catapa</i> Kinn.	Badam(des)	Combretaceae	Fruit, seed	Assam	19
369	<i>Terminalia chebula</i> Retz.	Silikha	Combretaceae	Fruits	Assam	19
370	<i>Theventia peruviana</i> (pers) Meril	Korobi	Apocyanaceae	Bark	Assam	19
Bihar						
371	<i>Abrus precatorius</i> L.	Ghuchi	Fabaceae	Leaf	Bihar	20
372	<i>Abuliton indicum</i> L.	Kanghi	Malvaceae	Leaf	Bihar	20
373	<i>Aegle marmelos</i> (Linn.) Corr. Serr.	Bel	Rutaceae	Tender Leaf	Bihar	20
374	<i>Allium cepa</i> Linn.	Piyaz	Liliaceae	Leaf	Bihar	20
375	<i>Allium sativum</i> Linn.	Lashun	Liliaceae	Leaf/ Bulb	Bihar	20
376	<i>Annona reticulata</i> L.	Aata	Annonaceae	Leaf	Bihar	20
377	<i>Annona squamosa</i> L.	Sharipha	Annonaceae	Leaf	Bihar	20
378	<i>Azadirachta indica</i> Adr. Juss..	Neem	Meliaceae	Leaf	Bihar	20
379	<i>Boerhaevia diffusa</i> Linn.	Punarnava	Nyctaginaceae	Leaf	Bihar	20

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
380	<i>Brassica juncea</i> (Linn.) Czren.	Sarson	Brassicaceae	Seed	Bihar	20
381	<i>Butea monosperma</i> (Lam) Taub.	Palas/Dhak	Fabaceae	Leaf	Bihar	20
382	<i>Cajanus cajan</i> (Linn.) Millsp.	Rahar/Arhar	Fabaceae	Seed	Bihar	20
383	<i>Cassia fistula</i> L.	Amaltas	Leguminosaceae	Seed	Bihar	20
384	<i>Cassia tora</i> L.	Pamar	Leguminosaceae	Root	Bihar	20
385	<i>Coccinia grandis</i> (Linn.) Voigt.	Kundli	Cucurbitaceae	Leaf	Bihar	20
386	<i>Coccinia indica</i> Cogn.	Tilkor	Cucurbitaceae	Fruit/ Leaf	Bihar	20
387	<i>Cannabis sativa</i> Linn.	Bhang	Cannabaceae	Leaf/ Stem	Bihar	20
388	<i>Catharathus roseus</i> (L.) G. Don	Sadabahar	Apocynaceae	Whole Plants	Bihar	20
389	<i>Coriandrum sativum</i>	Dhania	Apiaceae	Leaves	Bihar	20
390	<i>Costus speciosus</i> (Koeing) Smith	Kust/Mhalakri	Zingiberaceae	Rhizomes	Bihar	20
391	<i>Curcuma domestica</i> Va L.	Haldi	Zingiberaceae	Rhizomes	Bihar	20
392	<i>Cucumis melo</i> Roxb.	Kakri/ Kharbuja	Cucurbitaceae	Seeds	Bihar	20
393	<i>Delbergia sisso</i> Roxb.	Sisso	Papilionaceae	Leaves/ Stem Barks	Bihar	20
394	<i>Eugenia jambolana</i> Lam.	Jamun	Myrtaceae	Fruits/ seeds	Bihar	20
395	<i>Ficus benghalensis</i> Linn.	Bar/Bargad	Moraceae	Bark	Bihar	20
396	<i>Ficus racemose</i> Linn.	Gular	Moraceae	Fruit	Bihar	20
397	<i>Lawsonia intermis</i> Linn.	Mehndi	Lytheraceae	Flower/ Leaf/ Seed	Bihar	20
398	<i>Leucas aspera</i> spreng	Danuf/ Dronnpushi	Mimosaceae	Whole Plant	Bihar	20
399	<i>Madhuca indica</i> L.	Mohuwa	Saptosaceae	Bark/ Seed	Bihar	20
400	<i>Mangifera indica</i> L.	Aam	Anacardiaceae	Fruit	Bihar	20
401	<i>Momordica charantia</i> Linn.	Karela	Cucurbitaceae	Fruit	Bihar	20
402	<i>Moringa olefera</i> Lam.	Munnga	Moringaceae	Fruit	Bihar	20
403	<i>Murraya koengii</i> (Linn.) Sprengel	Meetha Neem	Rutaceae	Leaf	Bihar	20
404	<i>Musa paradisiacal</i> L.	Kela	Musaceae	Stem	Bihar	20
405	<i>Nelumbo nucifera</i> Gaertner.	Kamal	Nymphaceae	Leaf	Bihar	20
406	<i>Ocimum sanctum</i> L.	Tulshi	Lamiaceae	Leaf	Bihar	20
407	<i>Phyllanthus emblica</i> Linn.	Amla	Euphorbiaceae	Leaf	Bihar	20
408	<i>Pistia stratiotes</i> Linn.	Jalkhumbi	Aracaceae	Whole Plant	Bihar	20
409	<i>Pongamia pinata</i> (L.) Pierre	Karanj	Fabeceae	Bark	Bihar	20
410	<i>Psidium guajava</i>	Latam/amrud	Myrtaceae	Leaf	Bihar	20
411	<i>Punica granatum</i> Linn.	Anar	Punicaceae	Fruit	Bihar	20

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
412	<i>Swertia chirayita</i> (Roxb. Ex Flem.) Karst.	<i>Chirayita</i>	Gertinaceae	Whole Plant	Bihar	20
413	<i>Terminalia bellerica</i> Roxb. L.	<i>Bahera</i>	Combretaceae	Fruit	Bihar	20
414	<i>Terminalia chebula</i> Retz.	<i>Harar</i>	Combretaceae	Fruit	Bihar	20
415	<i>Tinospora cardifolia</i> Willd. Miers.	<i>Gurich</i>	Menispermaceae	Leaf/ Stem	Bihar	20
416	<i>Trigonella foenum-graceum</i> L.	<i>Methi</i>	Leguminosaceae	Seed	Bihar	20
Chhattisgarh						
417	<i>Acacia catechu</i>	<i>Khair</i>	Fabaceae	Stem	Chhattisgarh	21
418	<i>Achyranthes aspera</i>	<i>Apamarg</i>	Amaranthaceae	Leaf, Root, Seed	Chhattisgarh	21
419	<i>Adhatoda zeylanica</i>	<i>Adusa</i>	Acanthaceae	Leaf, Root	Chhattisgarh	21
420	<i>Aesalpinia sappan</i>	<i>Patang</i>	Leguminosae	Heart woodBarks	Chhattisgarh	21
421	<i>Alangium salvifolium</i>	<i>Akol</i>	Alangiaceae	Seeds Bark, Root	Chhattisgarh	21
422	<i>Albinfezia lebbeck</i>	<i>Siris</i>	Mimosaceae	Leaves, fruits	Chhattisgarh	21
423	<i>Alpinia officinarum</i>	<i>Galenga</i>	Zingiberaceae	Root	Chhattisgarh	21
424	<i>Argemone mexicana</i>	<i>Bhar band</i>	Papaveraceae	Leaf, Seed	Chhattisgarh	21
425	<i>Asparagus gonoloodas</i>	<i>Badi sataver</i>	Asparagaceae	Tuber	Chhattisgarh	21
426	<i>Asparagus racemosus</i>	<i>Satavari</i>	Liliaceae	Leaves, Tubers	Chhattisgarh	21
427	<i>Barleria prionitis</i> Linn.	<i>Vajradanti</i>	Acanthaceae	Whole plants	Chhattisgarh	21
428	<i>Bixa orellana</i>	<i>Sinduri</i>	Bixaceae	Root, bark,Seeds	Chhattisgarh	21
429	<i>Boswellia serrata</i>	<i>Saliha</i>	Burseraceae	Bark, Gum resin	Chhattisgarh	21
430	<i>Bryonia laciniosa</i>	<i>Maha shivalingi</i>	Cucurbitaceae	Seed, Leaf	Chhattisgarh	21
431	<i>Carissa carandas</i>	<i>Karonda</i>	Apocynaceae	Fruits, Leaf	Chhattisgarh	21
432	<i>Cassia fistula</i>	<i>Amaltas</i>	Caesalpinaceae	Fruits, Barks,	Chhattisgarh	21
433	<i>Chloroxylon swietenia</i>	<i>Bhirha</i>	Rutaceae	Leaves Leaf, Bark	Chhattisgarh	21
434	<i>Cissus quadrangularis</i>	<i>Asthisamharakta</i>	Vitaceae	Stem	Chhattisgarh	21
435	<i>Clitoria ternatea</i>	<i>Aprajita</i>	Aapilionaceae	Flower, Seed,	Chhattisgarh	21
436	<i>Cymbopogon citrates</i>	<i>Nibu ghas</i>	Poaceae	Root, pods Leaves, oil	Chhattisgarh	21
437	<i>Emblica officinalis</i>	<i>Amla</i>	Euphorbiaceae	Fruits	Chhattisgarh	21
438	<i>Euphorbia thymifolia</i>	<i>Dudhiya</i>	Euporbiaceae	Whole plant	Chhattisgarh	21
439	<i>Ficus benjamina</i>	<i>Kamraj</i>	Moraceae	Root	Chhattisgarh	21
440	<i>Gloriosa superba</i>	<i>kalihari</i>	Clchicaceae	Tuber	Chhattisgarh	21
441	<i>Hemidesmus indicus</i>	<i>Anant mool</i>	Asclepiadaceae	Root	Chhattisgarh	21
442	<i>Holarrhena antidysenterica</i>	<i>Indrajau</i>	Apocynaceae	Root, Fruit	Chhattisgarh	21
443	<i>Inula racemosa</i>	<i>Pushkarmool</i>	Compositae	Root	Chhattisgarh	21
444	<i>Ipomoea paniculata</i>	<i>Vidarikand</i>	Fabaceae	Rhizomes	Chhattisgarh	21
445	<i>Mallotus philippensis</i>	<i>Rohina</i>	Euphorbiaceae	Whole plant	Chhattisgarh	21
446	<i>Mimusops elengi</i>	<i>Molshree</i>	Sapotaceae	Fruits, Seeds	Chhattisgarh	21

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
447	<i>Mucuna pruriens</i>	<i>Kewach</i>	Fabaceae	Root, Fruit	Chhattisgarh	21
448	<i>Nardostachys jatamansi</i>	<i>Jatamansi</i>	Valerianaceae	Root	Chhattisgarh	21
449	<i>Plumbago zeylanica</i>	<i>Chitrak</i>	Plumbaginaceae	Root, Bark	Chhattisgarh	21
450	<i>Rauwolfia serpentina</i>	<i>Sarpagandha</i>	Apocynaceae	Roots	Chhattisgarh	21
Gujrat						
451	<i>Acacia arabica</i>	<i>Babbula</i>	Leguminosaceae	Gum	Gujrat	22
452	<i>Aegle marmelos</i>	<i>Shivadrumah or Shreephal</i>	Rutaceae	Leaves	Gujrat	22
453	<i>Allium cepa</i>	<i>Dungri</i>	Liliaceae	Rhizomes	Gujrat	22
454	<i>Allium sativum</i>	<i>Lehsun</i>	Liliaceae	Rhizomes	Gujrat	22
455	<i>Aloe vera</i>	<i>Kumari</i>	Liliaceae	Leaves	Gujrat	22
456	<i>Azadirachta indica</i>	<i>Neem</i>	Meliaceae	Whole plant	Gujrat	22
457	<i>Brassica juncea</i>	<i>Indian Mustard</i>	Brassicaceae	Seed	Gujrat	22
458	<i>Cajanus cajan</i>	<i>Tuvar</i>	Fabaceae	Leaves	Gujrat	22
459	<i>Capparis decidua</i>	<i>kerda</i>	Capparaceae	Leaves	Gujrat	22
460	<i>Citrullus colocynthis</i>	<i>Indrayan</i>	Cucurbitaceae	Fruit	Gujrat	22
461	<i>Coccinia indica</i>	<i>Ivy gourd</i>	Cucurbitaceae	fruits	Gujrat	22
462	<i>Hibiscus rosa-sinesis</i>	<i>Orhul</i>	Malvaceae	leaf	Gujrat	22
463	<i>Ipomoea batatas</i>	<i>sweet potato</i>	Convolvulaceae	Leaves	Gujrat	22
464	<i>Mangifera indica</i>	<i>Mango</i>	Anacardiaceae	Leaves	Gujrat	22
465	<i>Momordica charantia</i>	<i>bitter gourd</i>	Cucurbitaceae	Fruit, pulp, seed, leaves and whole plant	Gujrat	22
466	<i>Musa sapientum</i>	<i>Banana, Kela</i>	Musaceae	flower	Gujrat	22
467	<i>Nelumbo nucifera</i>	<i>Lotus, kamal</i>	Nelumbonaceae	rhizomes	Gujrat	22
468	<i>Ocimum sanctum</i>	<i>Tulsi</i>	Lamiaceae	leaves	Gujrat	22
469	<i>Punica granatum</i>	<i>Gulnarfarsi</i>	Punicaceae	flowering part	Gujrat	22
470	<i>Syzygium cumini</i>	<i>Jamun</i>	Myrtaceae	seeds	Gujrat	22
471	<i>Trigonella foenum-graceum</i>	<i>Methi</i>	Leguminosaceae	seeds	Gujrat	22
472	<i>Vinca rosea</i>	<i>Nayantara</i>	Apocynaceae	leaves	Gujrat	22
Haryana						
473	<i>Abelmoschus moschatus</i>	<i>Musk dana / Musk mallow</i>	Malvaceae	Abutilon indicum	Haryana	23
474	<i>Abutilon indicum</i>	<i>Country mallow / Indian mallow</i>	Malvaceae	flowers	Haryana	23
475	<i>Achyranthes aspera</i>	<i>Prickly chaff flower / Chaff flower</i>	Amaranthaceae	Leaves, root, plant juice	Haryana	23
476	<i>Acmella ciliata</i>	<i>Akarkara</i>	Asteraceae	Leaves, root, stem	Haryana	23
477	<i>Adiantum raddianum</i>	<i>Delta maidenhair / Walking fern</i>	Pteridaceae	Leaves	Haryana	23
478	<i>Ageratum conyzoides</i>	<i>Goat weed</i>	Asteraceae	Leaves, flowers, plant juice	Haryana	23

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
479	<i>Ageratum houstoniam</i>	Floss flower / Blue weed	Asteraceae	Plant juice	Haryana	23
480	<i>Alternanthera apungens</i>	Creeping chaff weed / Khaki weed	Amaranthaceae	Entire plant	Haryana	23
481	<i>Amaranthus viridis</i>	Slender amaranth	Amaranthaceae	Entire plant	Haryana	23
482	<i>Amarantus spinosus</i>	Spiny amaranth / Kanta chaulai	Amaranthaceae	Seed, root sap	Haryana	23
483	<i>Anagallis arvensis</i>	Scarlet / Pimpernel / Red Cheek weed	Primulaceae	Leaves	Haryana	23
484	<i>Antigonon leptopus</i>	Coral creeper / Coral vine	Polygonaceae	Leaves, flower, Roots	Haryana	23
485	<i>Argemone mexicana</i>	Mexican prickly poppy / Satyanashi	Papaveraceae	Roots, leaves, seeds, yellow juice	Haryana	23
486	<i>Asparagus racemosus</i>	Asparagus / Shatavari	Asparagaceae	Root	Haryana	23
487	<i>Bidens biternata</i>	Spanish needles / Black jack	Asteraceae	Entire plant, leaves, flowers, roots, seeds	Haryana	23
488	<i>Boerhavia diffusa</i>	Red hog weed / Punarnava	Nyctaginaceae	Entire plant	Haryana	23
489	<i>Calotropis procera</i>	Auricula tree / Aak	Asclerpiaceae	Leaves, stem, root, latex	Haryana	23
490	<i>Calyptocarpus vialis</i>	Sprawling horse weed / Straggler daisy	Asteraceae	Entire plant	Haryana	23
491	<i>Cannabis sativa</i>	Hemp, marijuana / Bhang	Cannabaceae	Seed	Haryana	23
492	<i>Cardamine hirsuta</i>	Hairy bitter cress	Brassicaceae	Leaves, flowers	Haryana	23
493	<i>Cassia occidentalis</i>	Coffee weed	Caesalpiniaceae	Roots, leaves, seeds	Haryana	23
494	<i>Cayratia trifolia</i>	Fox grape / Bush grape	Vitaceae	Stem, root	Haryana	23
495	<i>Celosia argentea</i> var. <i>spicata</i>	Wheat straw celosia / Cocks comb	Amaranthaceae	Leaves, seed, flowers	Haryana	23
496	<i>Chenopodium album</i>	Bathua	Amaranthaceae	Young shoot, leaves	Haryana	23
497	<i>Cirsium arvense</i>	Canada thistle / Creeping thistle	Asteraceae	Root, leaves	Haryana	23
498	<i>Coccinia grandis</i>	Ivy gourd / Kundru	Cucurbitaceae	Fruit, leaves, root	Haryana	23
499	<i>Conyza canadensis</i>	Butter weed	Asteraceae	Leaves, root	Haryana	23
500	<i>Coronopus didymus</i>	Swine cress / Pit papra	Brassicaceae	Leaves	Haryana	23
501	<i>Croton bonplandii</i>	Wild chilli / Kala bhangra	Euphorbiaceae	Stem, branch, leaves and ash	Haryana	23
502	<i>Cucumis callosus</i>	Sweet melon / Kharbooza	Cucurbitaceae	Fruit, seed and oil	Haryana	23
503	<i>Cyanthillium cinereum</i>	Little iron weed	Asteraceae	Entire plant	Haryana	23
504	<i>Dactyloctenium aegyptium</i>	Crow foot or Finger comb grass	Poaceae	Plant juice	Haryana	23

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
505	<i>Datura stramonium</i>	Thorn apple / Dhatura	Solanaceae	Entire plant	Haryana	23
506	<i>Desmodium triflorum</i>	Creeping tick trefoil / Kudaliya	Fabaceae	Entire plant	Haryana	23
507	<i>Dicliptera paniculata</i>	Lady flower / Atrilal	Acanthaceae	Leaves	Haryana	23
508	<i>Digitaria ciliaris</i>	Crabgrass	Poaceae	Entire plant	Haryana	23
509	<i>Dysphania ambrosioides</i>	Warm seed	Amaranthaceae	Entire plant	Haryana	23
510	<i>Eclipta alba</i>	Trailing eclipta plant / Bhringraj	Asteraceae	Entire plant	Haryana	23
511	<i>Eleusine indica</i>	Crow foot grass	Poaceae	Entire plant	Haryana	23
512	<i>Eragrostis amabilis</i>	Feathery eragrostis	Poaceae	Entire plant	Haryana	23
513	<i>Erigeron bonariensis</i>	Hairy fleabane	Asteraceae	Leaves	Haryana	23
514	<i>Erigeron canadensis</i>	Horse weed	Asteraceae	Whole plant	Haryana	23
515	<i>Euphorbia helioscopia</i>	sun spurge	Euphorbiaceae	Leaves, stem sap, seed	Haryana	23
516	<i>Euphorbia heterophylla</i>	Red milk weed	Euphorbiaceae	Root, leaves	Haryana	23
517	<i>Euphorbia hirta</i>	Asthma weed	Euphorbiaceae	Root, stem	Haryana	23
518	<i>Euphorbia microphylla</i>	Spurge	Euphorbiaceae	Whole plant	Haryana	23
519	<i>Fumaria indica</i>	Fumitory / Pit papra	Fumariaceae	Entire plant	Haryana	23
520	<i>Gnaphalium pennsylvanicum</i>	Cut weed	Asteraceae	Extract	Haryana	23
521	<i>Gokshura tribulus-terrestris</i>	Calthrops / Gokhru	Zygophyllaceae	Fruit, entire plant	Haryana	23
522	<i>Gomphrena serrata</i>	Arrasa con todo	Amaranthaceae	Whole plant	Haryana	23
523	<i>Hedyotis corymbosa</i>	Pearl grass / Parpat	Rubiaceae	Leaves	Haryana	23
524	<i>Heliotropium europaeum</i>	Potato weed	Boraginaceae	Whole plant	Haryana	23
525	<i>Hyptis suaveolens</i>	Pig nut	Lamiaceae	Leaves	Haryana	23
526	<i>Indigofera Linnaei</i>	Leel	Fabaceae	Leaves	Haryana	23
527	<i>Ipomea nil</i>	Picotee morning glory	Convolvulaceae	Entire plant, seeds	Haryana	23
528	<i>Ipomea obscura</i>	Wild petunia / Pan bel	Convolvulaceae	Leaves, root	Haryana	23
529	<i>Ipomea pestigridis</i>	Tiger's paw	Convolvulaceae	Leaves, whole plant	Haryana	23
530	<i>Ipomea triloba</i>	Little bell	Convolvulaceae	Leaves	Haryana	23
531	<i>Ipomoea carnea</i>	Morning glory bush	Convolvulaceae	Leaves, plant latex	Haryana	23
532	<i>Lamium amplexicaule</i>	Henbit dead nettle	Lamiaceae	Whole plant	Haryana	23
533	<i>Lantana camara</i>	Wild sage / Red sage	Verbenaceae	Leaves, fruit, flower, bark	Haryana	23
534	<i>Lathyrus aphaca</i>	Yellow pea / Jangli matter	Leguminosae	Seed	Haryana	23
535	<i>Launaea procumbens</i>	Creeping launaea / Jangli gobi	Asteraceae	Leaves	Haryana	23
536	<i>Leucas cephalotes</i>	Spider wort / Guma	Lamiaceae	Entire plant	Haryana	23
537	<i>Lindernia ciliata</i> L	Hairy slit wort	inderniaceae	Leaves	Haryana	23

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
538	<i>Ludwigia perennis</i>	Paddy clove	Onagraceae	Whole plant	Haryana	23
539	<i>Malva parviflora</i>	Cheese weed mallow / Cheese weed	Malvaceae	Entire plant	Haryana	23
540	<i>Mazus japaonicus</i>	Japanese mazus	Mazaceae	Entire plant	Haryana	23
541	<i>Melilotus indicus</i>	sweet clover	Fabaceae	Seed	Haryana	23
542	<i>Melilotus messanensis</i>	Small sweet clover	Fabaceae	Seeds	Haryana	23
543	<i>Merremia hederacea</i>	Ivy wood rose	Convolvulaceae	Leaves	Haryana	23
544	<i>Nicotiana plumbaginifolia</i>	Curl/leaved/ tobacco/ Jangli tambakoo	Solanaceae	Leaves	Haryana	23
545	<i>Oxalis corniculata</i>	Yellow wood sorrel / Amrul	Oxalidaceae	Flowers, leaves	Haryana	23
546	<i>Parthenium hysterophorus</i>	Carrot Grass / Santa maria	Asteraceae	Root	Haryana	23
547	<i>Perotis indica</i>	Kuras	Poaceae	Whole plant	Haryana	23
548	<i>Phalaris minor</i>	Little seed grass / Guli danda	Poaceae	Shoot	Haryana	23
549	<i>Phyllanthus urinaria</i>	Stone breaker	Phyllanthaceae	Whole plant	Haryana	23
550	<i>Physalis minima</i>	Little goose berry / Rasbhari	Solanaceae	Leaves, roots fruit	Haryana	23
551	<i>Poa annua</i>	Annual blue grass / Poa	Poaceae	Leaves	Haryana	23
552	<i>Polygonum glabrum</i>	Marsh buck wheat / Bonriya ghehu	Polygonacea	Leaves, twigs	Haryana	23
553	<i>Polygonum plebium</i>	Small knot weed	Polygonaceae	Leaves, seeds	Haryana	23
554	<i>Ranunculus repens</i>	Creeping butter cup	Ranunculacea e	Leaves	Haryana	23
555	<i>Ricinus communis</i>	Castor oil Plant	Euphorbiacea e	Root, leaves	Haryana	23
556	<i>Rumex dentatus</i>	Jangli palak	Polygonaceae	Leaves	Haryana	23
557	<i>Sesamum indicum</i>	Sesame	Pedaliaceae	Whole plant	Haryana	23
558	<i>Sida acuta</i>	Broom weed / Mahabal	Malvaceae	Entire plant	Haryana	23
559	<i>Sida cordifolia</i>	Country mallow / Bala	Malvaceae	Entire plant	Haryana	23
560	<i>Solanum nigrum</i>	Black Night shade / Makoi	Solanaceae	Leaves, fruits, stems, roots	Haryana	23
561	<i>Solanum torvum</i>	Prickly solanum / turkey berry	Solanaceae	Leaves, root, fruit	Haryana	23
562	<i>Sonchus asper</i>	Spiny sow thistle / Dudhi	Asteraceae	Latex of plant	Haryana	23
563	<i>Sonchus oleraceus</i>	Sow thistle	Asteraceae	Stem, juice of plant	Haryana	23
564	<i>Spergula arvenesis</i>	Corn spurry / Jangli dhanja	Caryophyllac eae	Whole plant, seeds	Haryana	23
565	<i>Sphagneticola trilobata</i>	Creeping daisy/ Singapore daisy	Asteraceae	whole plant	Haryana	23
566	<i>Stellaria media</i>	Chick weed	Caryophyllac eae	Entire plant	Haryana	23
567	<i>Synedrella nodiflora</i>	Node weed	Asteraceae	Leaves	Haryana	23
568	<i>Tithonia diversifolia</i>	Tree marigold	Asteraceae	Leaves, stem	Haryana	23

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
569	<i>Trianthema portulacastrum</i>	Carpet weed / Santhi	Aizoaceae	Leaves, roots	Haryana	23
570	<i>Urena lobata</i>	Congo jute	Malvaceae	Leaves, twigs, bark	Haryana	23
571	<i>Vicia hirsuta</i>	Hairy vetch	Fabaceae	Leaves, seeds, stem	Haryana	23
572	<i>Zizipus mauritiana</i>	Indian cherry / Beri	Rhamnaceae	Leaves, fruit, seed, root	Haryana	23
Himachal Pradesh						
573	<i>Ajuga bracteosa</i> (Wall ex. Benth.)	Neelkanthi	Lamiaceae	Leaves	Himachal Pradesh	24
574	<i>Azadirachta indica</i> (A. Juss.)	Neem	Meliaceae	Leaves	Himachal Pradesh	24
575	<i>Cassia angustifolia</i> (Mil L.)	Sanaya	Fabaceae	Leaves	Himachal Pradesh	24
576	<i>Catharanthus roseus</i> (L.) G. Don	Sadabahar	Apocynaceae	Leaves	Himachal Pradesh	24
577	<i>Cichorium intybus</i> (L.)	Kashni butti	Asteraceae	Leaves	Himachal Pradesh	24
578	<i>Cinnamomum tamala</i> (Buch. -Ham.)	Tejpatar	Lauraceae	Leaves	Himachal Pradesh	24
579	<i>Curcuma longa</i> (L.)	Haldi	Zingiberaceae	Rhizome	Himachal Pradesh	24
580	<i>Embllica officinalis</i> (L.)	Amla	Phyllanthaceae	Fruit	Himachal Pradesh	24
581	<i>Gymnema sylvestre</i> (R. Br.)	Gudmaar	Apocynaceae	Leaves	Himachal Pradesh	24
582	<i>Mangifera indica</i> (L.)	Amb	Anacardiaceae	Kernel	Himachal Pradesh	24
583	<i>Momordica charantia</i> (L.)	Kerale	Cucurbitaceae	Seeds	Himachal Pradesh	24
584	<i>Ocimum sanctum</i> (L.)	Rama Tulsi	Lamiaceae	Leaves	Himachal Pradesh	24
585	<i>Ocimum Tenuiflorum</i> (L.)	Kishna Tulsi	Lamiaceae	Leaves	Himachal Pradesh	24
586	<i>Pandanus odoratissimus</i> (Forssk.)	Kewda	Pandanaceae	Leaves	Himachal Pradesh	24
587	<i>Papaver somniferum</i> (L.)	Afimdana	Papaveraceae	Seeds	Himachal Pradesh	24
588	<i>Piper longum</i> (L.)	Mugh	Piperaceae	Fruit	Himachal Pradesh	24
589	<i>Prunus dulcis</i> (Mil L.)	Badam	Rosaceae	Seeds	Himachal Pradesh	24
590	<i>Swertia chirayata</i> (Roxb. ex-Fleming)	Chirayata	Gentianaceae	Leaves	Himachal Pradesh	24
591	<i>Syzygium cuminii</i> (L.)	Jamum	Myrtaceae	Kernel	Himachal Pradesh	24
592	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Bhera	Combretaceae	Fruit	Himachal Pradesh	24
593	<i>Terminalia chebula</i> (Retz.)	Harad	Combretaceae	Fruit	Himachal Pradesh	24
594	<i>Trigonella foenum-graecum</i> (L.)	Methi /Kasuri methi	Fabaceae	Leaves	Himachal Pradesh	24
595	<i>Withania somnifera</i> (L.) Dunal	Ashvangadha	Solanaceae	Leaves	Himachal Pradesh	24
Jammu - Kashmir						
596	<i>Acorus calamus</i>	Sweet flag	Acoraceae	rhizome	Jammu and Kashmir	25

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
597	<i>Allium species</i>	Piyaz, Lahsan	Liliaceae	oil	Jammu and Kashmir	25
598	<i>Aralia cachemirica</i>	Aralia, Khoree	Araliaceae	roots	Jammu and Kashmir	25
599	<i>Astragalus gummifer</i>	Shatavani	Leguminaceae	Gum	Jammu and Kashmir	25
600	<i>Bauhinia variegata</i>	Orchid, Kachnara	Fabaceae	Stem bark	Jammu and Kashmir	25
601	<i>Berberis aristata</i>	Indian Berberry, Kashmiri Kawdach	Berberidaceae	root	Jammu and Kashmir	25
602	<i>Brassica juncea</i>	Mustard, Sarsu	Brassicaceae	seeds	Jammu and Kashmir	25
603	<i>Catharanthus roseus</i>	Vinca Periwinkle, Sadabahar	Apocyanaceae	leaves	Jammu and Kashmir	25
604	<i>Cichorium intybus</i>	chicory, Hand, Kasni.	Asteraceae	leaves	Jammu and Kashmir	25
605	<i>Coriandrum sativum</i> L.	Coriander, Dhaniya	Umbelliferae	seeds	Jammu and Kashmir	25
606	<i>Cucumis sativus</i>	Cucumber, Kheera	Cucurbitaceae	fruit	Jammu and Kashmir	25
607	<i>Daucus carota</i>	Carrot, Gajar	Umbelliferae	seeds	Jammu and Kashmir	25
608	<i>Dioscorea dumetorum</i> Linn	Dioscorea, Kreench	Dioscoraceae	leaves	Jammu and Kashmir	25
609	<i>Ephedra elata</i>	Ephedra, Ma Haung	Ephedraceae	Leaves	Jammu and Kashmir	25
610	<i>Equisetum myriochaetum</i>	Mexican Giant Horsetail	Equisetaceae	aerial parts	Jammu and Kashmir	25
611	<i>Gentiana lutea</i>	Yellow Gentian	Gentianaceae	leaves and roots	Jammu and Kashmir	25
612	<i>Ginkgo biloba</i>	Maiden hair tree	Ginggoaceae	leaves	Jammu and Kashmir	25
613	<i>Hibiscus rosa-sinensis</i>	Shoe Flower, Jasund, Urhul, Gudhal	Malvaceae	Flower	Jammu and Kashmir	25
614	<i>Juniper berries</i>	Common juniper	Cupressaceae	Seeds	Jammu and Kashmir	25
615	<i>Lycium barbarum</i>	Wolfberry, gogi berry.	Solanaceae	Fruits	Jammu and Kashmir	25
616	<i>Marrubium vulgare</i>	Gand Soi	Labiataeae	rhizomes	Jammu and Kashmir	25
617	<i>Momordica charantia</i>	Bitter gourd, Karela	Cucurbitaceae	Fruits	Jammu and Kashmir	25
618	<i>Morus alba</i>	Mulberry, Tul	Moraceae	leaves	Jammu and Kashmir	25
619	<i>Myristica fragrans</i>	Nutmeg, Jaiphal	Myrtaceae	seeds	Jammu and Kashmir	25
620	<i>Polygonatum officinale</i>	Solomons seal	Liliaceae	rhizomes	Jammu and Kashmir	25
621	<i>Psidium guajava</i>	Guava, Amrud	Myrtaceae	stem bark	Jammu and Kashmir	25
622	<i>Punica granatum</i>	Pomegranate, Anar	Punicaceae	seed	Jammu and Kashmir	25
623	<i>Salvia lavandulifolia</i>	Spanish Sage	Lamiaceae	Leaves	Jammu and Kashmir	25
624	<i>Saussurea lappa</i>	Costus root, Kuth, Kutha	Asteraceae	root	Jammu and Kashmir	25
625	<i>Smilax glabra</i>	Chinaroot, sarsaparilla	Smilacaceae	rhizomes	Jammu and Kashmir	25
626	<i>Swertia japonica</i>	Swertia	Gentianaceae	stem	Jammu and Kashmir	25
627	<i>Syzygium cumini</i>	Clove, Laung	Myrtaceae	seeds	Jammu and Kashmir	25
628	<i>Tribulus terrestris</i>	Chota Gokhru	Zygophyllaceae	Seeds	Jammu and Kashmir	25
629	<i>Trigonella foenum-graecum</i>	Fenugreek, methi	Papilionaceae	seeds	Jammu and Kashmir	25
630	<i>Vinca rosea</i>	Sadabahar	Apocyanaceae	whole plant	Jammu and Kashmir	25
631	<i>Vitis vinifera</i>	Kawdach	Vitaceae	seed	Jammu and Kashmir	25
632	<i>Withania somnifera</i>	Winter Cherry	Solanaceae	root and leaf	Jammu and Kashmir	25

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
633	<i>Zea mays</i>	Maize, Makkai	Gramineae	corn silk	Jammu and Kashmir	25
634	<i>Zingiber officinale</i>	Ginger, Adrak	Zinzeberaceae	rhizomes	Jammu and Kashmir	25
Jharkhand						
635	<i>Azadirachta indica</i>	Neem, Nimbay	Meliaceae	Fruit	Jharkhand	26
636	<i>Allium sativum</i>	Lahsan, Lissan, Lahsun	Amaryllidaceae	Bulb	Jharkhand	26
637	<i>Aloe vera</i>	Aloevera	Asphodelaceae	Gel	Jharkhand	26
638	<i>Curcuma longa</i>	Haldi, Halodhi	Zingiberaceae	Rhizomes	Jharkhand	26
639	<i>Syzygium cumini</i>	Jamun, Jam	Myrtaceae	Fruits, Seed	Jharkhand	26
640	<i>Swertia chirata</i>	Chirayta	Gentianaceae	Whole Plant	Jharkhand	26
641	<i>Gymnema sylvestre</i>	Gurmar, Gudmar	Asclpiadaceae	Leaf	Jharkhand	26
642	<i>Phyllanthus emblica</i>	Amla, Aola	Phyllanthaceae	Fruit	Jharkhand	26
643	<i>Momordica charantia</i>	Karela, Kareli	Cucurbitaceae	Fruit	Jharkhand	26
644	<i>Ocimum tenuiflorum</i>	Tulsi	Lamiaceae	Leaf	Jharkhand	26
645	<i>Aegle marmelos</i>	Bel, Beli, Vilvam	Rutaceae	Fruit	Jharkhand	26
646	<i>Murraya koenigii</i>	Kari patta	Rutaceae	Leaves	Jharkhand	26
Karnataka						
647	<i>Acacia arabica</i> (Lam.)	Kari jali	Mimosaceae	stem bark	Karnataka	27
648	<i>Aegle marmelos</i> (L.)	Bilvapatre	Rutaceae	leaves	Karnataka	27
649	<i>Aloe barbadensis</i> Mill	Lolesara	Liliaceae	leaf	Karnataka	27
650	<i>Andrographis paniculata</i> (Burm.f.)	Nelabevu	Acanthaceae	leaf	Karnataka	27
651	<i>Azadirachta indica</i> A. Juss..	Bevina mara	Meliaceae	leaves	Karnataka	27
652	<i>Bergera koenigii</i> L.	Karibevu	Rutaceae	leaves	Karnataka	27
653	<i>Catharanthus roseus</i> (L.)	Sadapushpi	Apocynaceae	white flowers	Karnataka	27
654	<i>Cinnamomum zeylanicum</i>	Dalchinni	Lauraceae	stem bark	Karnataka	27
655	<i>Clerodendrum inerme</i> (L.)	Vishamdari	Veбенaceae	leaf	Karnataka	27
656	<i>Cocculus hirsutus</i> (L.)	Dagdi balli	Menispermaceae	root	Karnataka	27
657	<i>Ficus recemosa</i> L.	Attimara	Moraceae	fruits	Karnataka	27
658	<i>Gymnema sylvestre</i> (Retz.) R.	Madu nashini	Asclepiadaceae	leaves	Karnataka	27
659	<i>Hibiscus rosa-sinensis</i> L.	Bili dasavala	Malvaceae	root	Karnataka	27
660	<i>Limonia acidissima</i> L.	Belvala	Rutaceae	leaves	Karnataka	27
661	<i>Leucas aspera</i> (Wliid.) link.	Thumbe	Lamiaceae	leaves	Karnataka	27
662	<i>Mangifera indica</i> L.	Mavu	Anacardiaceae	seeds	Karnataka	27
663	<i>Milletia pinnata</i> (L.)	Battimara	Fabaceae	flower	Karnataka	27
664	<i>Momordica charantia</i> L.	Hagala balli	Cucurbitaceae	fruit	Karnataka	27
665	<i>Phyllanthus acidus</i> (L.)	Kirunelli	Euphorbiaceae	fruit	Karnataka	27
666	<i>Phyllanthus amarus</i>	Nelanelli	Euphorbiaceae	Whole plant	Karnataka	27
667	<i>Senna auriculata</i> (L.)	Honnarike	Caesalpiniaceae	Flower buds	Karnataka	27

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
668	<i>Senna italica</i>	Nelavarike	Caesalpiniaceae	Whole plant	Karnataka	27
669	<i>Syzygium cumini</i> (L.)	Nerale	Myrtaceae	seed	Karnataka	27
670	<i>Tephrosia purpurea</i> (L.)	Koggi gida	Fabaceae	seed	Karnataka	27
671	<i>Tinospora cordifolia</i> (Willd.)	Amruta balli	Menispermaceae	stem	Karnataka	27
672	<i>Trigonella foenum-graecum</i> L.	Menthe	Fabaceae	seeds	Karnataka	27
673	<i>Vitex negundo</i> L.	Lekkegida	Verbenaceae	root	Karnataka	27
674	<i>Zizyphus jujuba</i> Mil L.	Bare mara	Rhamnaceae	seed	Karnataka	27
Kerala						
675	<i>Acacia arabica</i> Wild	Karuvelam	Leguminosae	Leaf, bark gum	Kerala	28
676	<i>Acacia catechu</i>	Karinjali	Leguminosae	hard wood	Kerala	28
677	<i>Aegle marmelos</i> Corr	Koovalam	Rutaceae	Leaves	Kerala	28
678	<i>Aerva lanata</i> Juss.	Cherula	Amarantaceae	leaves	Kerala	28
679	<i>Aglaia roxburghiana</i> Bedd.	Punyava	Meliaceae	seeds	Kerala	28
680	<i>Alpinia calcarata</i> Rosc	Chittaratha	Zingiberaceae	rhizome	Kerala	28
681	<i>Azadirachta indica</i> A. Juss..	Veppu	Meliaceae	Bark	Kerala	28
682	<i>Benincasa hispida</i> Thunb.	Kumbalam	Cucurbitaceae	Fruit	Kerala	28
683	<i>Capsicum annuum</i> Linn.	Mulaku	Solanaceae	seeds	Kerala	28
684	<i>Catharanthus roseus</i> Linn	Savakottapacha	Apocyanaceae	Leaf	Kerala	28
685	<i>Cedrus deodara</i> Roxb.	Devadaru	Coniferae	barks	Kerala	28
686	<i>Centella asiatica</i> Urb.	Kudangal	Umbelliferae	Whole plant	Kerala	28
687	<i>Coccinia indica</i>	Koval	Cucurbitaceae	roots and leaves	Kerala	28
688	<i>Costus picatus</i> Linn.	Insulin chedi	Zingiberaceae	raw leaves	Kerala	28
689	<i>Curcuma longa</i> Linn.	Manjal	Zingiberaceae	bark	Kerala	28
690	<i>Cynodon dactylon</i> Pers	Karuka	Gramineae	Whole plant	Kerala	28
691	<i>Echinops echinatus</i> DC	Uthkandam	Compositae	Leaf	Kerala	28
692	<i>Emblica officinalis</i>	Nelly	Euphorbiaceae	bark	Kerala	28
693	<i>Eugenia jambolana</i> Lam	Njaval	Myrtaceae	Seed	Kerala	28
694	<i>Euphorbia thymifolia</i> Linn.	Nilappala	Euphorbiaceae	Whole plant	Kerala	28
695	<i>Ficus gibosa</i>	Ithi	Moraceae	Bark	Kerala	28
696	<i>Ficus glomerata</i> Roxb.	Athi	Moraceae	stem	Kerala	28
697	<i>Gymnema sylvestre</i> R. Br.	Chakkarakolli	Asclepiadaceae	Leaf	Kerala	28
698	<i>Helicteres isora</i> Linn.	Edampiri valampiri	Sterculiaceae	Root	Kerala	28
699	<i>Holostemma annulare</i> K.Schum	Adapathian	Asclepiadaceae	Root	Kerala	28
700	<i>Hordeum vulgare</i> Linn.	Barley	Gramineae	fruit and dried seeds	Kerala	28
701	<i>Jatropha curcas</i> Linn.	Kadalavanak	Euphorbiaceae	bark	Kerala	28
702	<i>Mimosa pudica</i> Linn.	Thottavadi	Mimosaceae	seeds	Kerala	28

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
703	<i>Momordica charanti</i> Linn	<i>Paval</i>	Cucurbitaceae	fruit	Kerala	28
704	<i>Plumbago rosea</i> Linn.	<i>Chethikoduveli</i>	Plumbaginaceae	Stem	Kerala	28
705	<i>Prunus amigdalus</i> Batsch.	<i>Badam</i>	Rosaceae	Seed	Kerala	28
706	<i>Pterocarpus marsupium</i> Roxb.	<i>Venga</i>	Luguminosae	hard wood	Kerala	28
707	<i>Rubia cordifolia</i> Linn.	<i>Manjatti</i>	Rubiaceae	Root	Kerala	28
708	<i>Salacia beddomei</i> Gamb	<i>Anakorandi</i>	Hippocrateaceae	Root	Kerala	28
709	<i>Salacia fruticosa</i> DC	<i>Cherukorandi</i>	Hippocrateaceae	Root	Kerala	28
710	<i>Salacia macrosperma</i> Wt	<i>Saptarangi</i>	Hippocrateaceae	Root	Kerala	28
711	<i>Salacia oblonga</i> Wall	<i>Ponkorandi</i>	Hippocrateaceae	Root	Kerala	28
712	<i>Salacia prinoides</i> DC	<i>Korandi</i>	Hippocrateaceae	Root	Kerala	28
713	<i>Salacia reticulata</i> Wt	<i>Ekanayakam</i>	Hippocrateaceae	Root	Kerala	28
714	<i>Saraca indica</i> , Linn.	<i>Asokam</i>	Leguminaceae	flower	Kerala	28
715	<i>Stroblanthus hyneanus</i> Nees.	<i>Karinkurunji</i>	Acanthaceae	Leaf	Kerala	28
716	<i>Strychnos potatorum</i> Linn.	<i>Thettambaral</i>	Loganiaceae	Seeds	Kerala	28
717	<i>Tinospora cordifolia</i> Miers.	<i>Amruth</i>	Menispermaceae	Bark	Kerala	28
718	<i>Tragia involucrate</i> Linn.	<i>Kodithoova</i>	Euphorbiaceae	Root	Kerala	28
719	<i>Tribulus terrestris</i> Linn	<i>Njerinjil</i>	Zygophyllaceae	fruit	Kerala	28
Madhya Pradesh						
720	<i>Abrus precatorius</i> Linn.	<i>Rosary pea</i>	Fabaceae	Seeds	Madhya Pradesh	29
721	<i>Aegle marmelos</i> (Linn.) Correa	<i>Beal</i>	Rutaceae	Fruit and Leaf	Madhya Pradesh	29
722	<i>Aegle marmelos</i> (Linn.) Correa	<i>Bael</i>	Rutaceae	Leafs	Madhya Pradesh	29
723	<i>Ailanthus excelsa</i>	<i>Tree of heaven</i>	Simaroubaceae	Bark	Madhya Pradesh	29
724	<i>Andrographis lineate</i>	<i>Kalmegh</i>	Acanthaceae	Leaf	Madhya Pradesh	29
725	<i>Azadirachta indica</i> A. Juss..	<i>Neem</i>	Fabaceae	Leaf	Madhya Pradesh	29
726	<i>Azadirachta indica</i> A. Juss..	<i>Neem</i>	Meliaceae	Bark	Madhya Pradesh	29
727	<i>Caesalpinia bonduc</i> Linn.	<i>Fever nut</i>	Caesalpinaceae	Leaves	Madhya Pradesh	29
728	<i>Caralluma adscendes</i> (Roxb.)	<i>Makadshenguli</i>	Asclepiadaceae	Tuber	Madhya Pradesh	29
729	<i>Coccinia grandis</i> (L.) Voight	<i>Ivy gourd</i>	Cucurbitaceae	Roots	Madhya Pradesh	29
730	<i>Convolvulus arvensis</i> Linn.	<i>Hirankuri</i>	Convolvulaceae	Leaf or Whole plant	Madhya Pradesh	29
731	<i>Costus speciosus</i>	<i>Crepe Ginger</i>	Zingiberaceae	Leaf	Madhya Pradesh	29
732	<i>Gymnera sylvestris</i> R. Br.	<i>Gudmar</i>	Asclepiadaceae	Leaf /Whole plant	Madhya Pradesh	29
733	<i>Ocimum sanctum</i> Linn	<i>Tulsi</i>	Lamiaceae	Leaf	Madhya Pradesh	29

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
734	<i>Petrocarpus marsupium</i> Roxb.	<i>Bija sal</i>	Fabaceae	Bark/ Gum resin	Madhya Pradesh	29
735	<i>Pterocarpus marsupium</i> Roxb.	<i>Pitsal</i>	Fabaceae	Stem	Madhya Pradesh	29
736	<i>Tinospora cordifolia</i>	<i>Guduchi or amrita</i>	Menispermaceae	Leaf	Madhya Pradesh	29
Maharashtra						
737	<i>Acacia catechu</i> (L. f.) Wild.	<i>Babool</i>	Leguminosae	Bark	Maharashtra	30
738	<i>Aegle marmelos</i> (L.) Correa	<i>Bael</i>	Rutaceae	Leaf	Maharashtra	30
739	<i>Adhatoda vasica</i> nees	<i>Malabar nut</i>	Acanthaceae	Root, Leaf	Maharashtra	30
740	<i>Allium sativum</i> L.	<i>Garlic</i>	Amaryllidaceae	Leaf, Bulb	Maharashtra	30
741	<i>Aloe vera</i> (L.) Burm. f	<i>Aloe</i>	Liliaceae	Leaf	Maharashtra	30
742	<i>Antidesma diandrum</i> Retz.	<i>amta</i>	Euphorbiaceae	Leaf	Maharashtra	30
743	<i>Ananas comosus</i> (L.) Merr	<i>Ananas</i>	Bromeliaceae	Whole plant	Maharashtra	30
744	<i>Argemone Mexicana</i> L.	<i>Poppy</i>	Papaveraceae	Stem	Maharashtra	30
745	<i>Asparagus racemosus</i> L.	<i>Shatavar</i>	Liliaceae	Root	Maharashtra	30
746	<i>Azadiracta indica</i> Juss..	<i>Neem</i>	Meliaceae	Leaf, Seed	Maharashtra	30
747	<i>Beta vulgaris</i> L.	<i>Beet</i>	Amaranthaceae	Root	Maharashtra	30
748	<i>Bombax ceiba</i> L.	<i>Shimul</i>	Bombacaceae	Flower, Stem, Bark	Maharashtra	30
749	<i>Brassica juncea</i> (L.) Czern	<i>Mustard</i>	Brassicaceae	Seed	Maharashtra	30
750	<i>Cajanus cajan</i> (L.) Millsp.	<i>Pigeon pea</i>	Fabaceae	Seed	Maharashtra	30
751	<i>Cassia tora</i> L	<i>Tora</i>	Leguminosae	Seed	Maharashtra	30
752	<i>Catharanthus roseus</i> (L.) G. Don	<i>Sadabahar</i>	Apocynaceae	Flower	Maharashtra	30
753	<i>Citrullus lanatus</i> (Thunb.) Matsum. and Nakai	<i>Watermelon</i>	Cucurbitaceae	Seed	Maharashtra	30
754	<i>Coccinia indica</i> Wight and Arm.	<i>Ivy gourd</i>	Cucurbitaceae	Fruit	Maharashtra	30
755	<i>Curcuma longa</i> L.	<i>Turmeric</i>	Zingiberaceae	Rhizome	Maharashtra	30
756	<i>Cyperus rotundus</i> L.	<i>Mutha</i>	Cyperaceae	Rhizome	Maharashtra	30
757	<i>Ficus benghalensis</i> L.	<i>Banyan Tree</i>	Moraceae	Fruit, Bar	Maharashtra	30
758	<i>Gymnema sylvestre</i> (Retz.) R. Br. Ex Sm.	<i>Gurmaar</i>	Apocynaceae	Leaf	Maharashtra	30
759	<i>Hemidesmus indicus</i> (L.) R. Br	<i>Anantmool</i>	Apocynaceae	Root	Maharashtra	30
760	<i>Hibiscus rosa-sinensis</i> L	<i>China rose</i>	Malvaceae	Leaf	Maharashtra	30
761	<i>Ichnocarpus frutescens</i> (L.) R. Br.	<i>Black creeper</i>	Apocynaceae	Root	Maharashtra	30
762	<i>Lantana camara</i> L.	<i>Wild sage</i>	Verbenaceae	Leaf, Fruit	Maharashtra	30
763	<i>Mangifera indica</i> L.	<i>Mango Tree</i>	Anacardiaceae	Seed	Maharashtra	30

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
764	<i>Momordica charantia</i> L.	Karela	Cucurbitaceae	Whole Plant	Maharashtra	30
765	<i>Murraya koenigii</i> (L.) Spreng.	Kari patta	Rutaceae	Leaf	Maharashtra	30
766	<i>Ocimum sanctum</i> L.	Holy Basil	Lamiaceae	Leaf	Maharashtra	30
767	<i>Punica granatum</i> L.	Pomegranate	Lythraceae	Fruit	Maharashtra	30
768	<i>Schima wallichii</i> (DC.) Korth.	Needlewood Tree	Theaceae	Leaf	Maharashtra	30
769	<i>Scoparia dulcis</i> L.	Goatweed	Plantaginaceae	Whole plant	Maharashtra	30
770	<i>Sesbania sesban</i> (Jacq.) W. Wight	Jayanti	Fabaceae	Leaf	Maharashtra	30
771	<i>Syzygium cumini</i> (L.) Skeels	Jamun	Myrtaceae	Seed	Maharashtra	30
772	<i>Terminalia chebula</i> Retz	Hortokhi	Combretaceae	Seed	Maharashtra	30
773	<i>Trigonella foenum-graceum</i> L.	Methi	Leguminosae	Seed	Maharashtra	30
774	<i>Tinospora cordofolia</i> (Willd.) Miers	Giloya	Menispermaceae	Whole Plant	Maharashtra	30
775	<i>Xanthium indicum</i> Koenigin Roxb.	Burweed	Asteraceae	Leaf	Maharashtra	30
776	<i>Zingiber officinale</i> Roscoe	Ginger	Zingiberaceae	Rhizome	Maharashtra	30
777	<i>Aegle marmelos</i> (L.)	Bel	Rutaceae	Leaves	Maharashtra	31
778	<i>Annona squamosa</i> (L.)	Sitaphal	Annonaceae	Leaves	Maharashtra	31
779	<i>Aloe barbadensis</i> (L.)	Gheequar	Liliaceae	Leaves	Maharashtra	31
780	<i>Catharanthus roseus</i> (L.)	Sadafully	Apocynaceae	Whole plant	Maharashtra	31
781	<i>Syzygium cumini</i> (L.)	Jamun	Myrtaceae	Fruit, Seed, Bark	Maharashtra	31
782	<i>Murraya koenigii</i> (L.)	Curry patta	Rutaceae	Leaves	Maharashtra	31
783	<i>Azadirachta indica</i> (L.)	Neem	Meliaceae	Leaves	Maharashtra	31
784	<i>Momordica charantia</i> (L.)	Karela	Cucurbitaceae	Leaves, fruit, seeds	Maharashtra	31
785	<i>Tribulus terrestris</i> (L.)	Gokshura	Zygophyllaceae	Seed	Maharashtra	31
786	<i>Ficus bengalensis</i> (L.)	Banyan	Moraceae	Leaves, Bark	Maharashtra	31
787	<i>Ficus recemosa</i> (L.)	Umbar	Moraceae	Fruit pulp	Maharashtra	31
788	<i>Curcuma longa</i> (L.)	Haldi	Zingiberaceae	Rhizome	Maharashtra	31
789	<i>Bougainvillea spectabilis</i> Willd.	Bougainvilla	Nyctaginaceae	Leaves	Maharashtra	31
Manipur						
790	<i>Ardisia colorata</i> Roxb.	U-thum	Myrsinaceae	Leaves	Manipur	32
791	<i>Barleria albostellata</i> C.B. Clarke	Hanu-khulam	Acanthaceae	Leaves	Manipur	32
792	<i>Bryophytum sensitivum</i> (L.) DC	Zarero	Oxalidaceae	Leaves	Manipur	32
793	<i>Cassia alata</i> L.	Mongrangiangtong	Caesalpiniaceae	Leaves	Manipur	32
794	<i>Cassia bicapsularis</i> L.	Thaonam/nashangbi	Caesalpiniaceae	Shoot	Manipur	32
795	<i>Cassia occidentalis</i> L.	Hant thenga	Caesalpiniaceae	Bark	Manipur	32

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
796	<i>Catharanthus roseus</i> (L.)	<i>Nayantara</i>	Apocynaceae	Roots, leaves, whole plant	Manipur	32
797	<i>Cinnamomum tamala</i> T	<i>Lappyring</i>	Lauraceae	Leaves	Manipur	32
798	<i>Clerodendrum viscosum</i> Vent	<i>Kuthab-ukabi</i>	Lamiaceae	Leaf	Manipur	32
799	<i>Euryale ferox</i> Salisb.	<i>Thangjing</i>	Nymphaeaceae	Fruit	Manipur	32
800	<i>Fagopyrum esculentum</i> Moench	<i>Wakha-yendem</i>	Polygonaceae	Shoot	Manipur	32
801	<i>Ficus auriculata</i> Lour	<i>Hei-it</i>	Moraceae	Fruit, bark	Manipur	32
802	<i>Flacourtia jangomas</i> (Lour.) Raeusch	<i>Heitroi</i>	Flacourtiaceae	Fruit	Manipur	32
803	<i>Ichnocarpus frutescens</i> (L.) R. Br.	<i>Dudhkuri lota</i>	Apocynaceae	Root	Manipur	32
804	<i>Momordica charantia</i> L.	<i>Tita kerela</i>	Cucurbitaceae	Fruit	Manipur	32
805	<i>Portulaca oleracea</i> L.	<i>Leibak-kundo</i>	Portulacaceae	Whole plant	Manipur	32
806	<i>Primula</i> L.	<i>Kengoi</i>	Primulaceae	Whole plant	Manipur	32
807	<i>Sesbania sesban</i> (L.) Merr	<i>Chuchu-rangmei</i>	Fabaceae	Whole plant	Manipur	32
Mizoram						
808	<i>Bryophytum sensitivum</i> (L.) DC	<i>Zarero</i>	Oxalidaceae	Leaves	Mizoram	32
809	<i>Cassia alata</i> L.	<i>Mongrangiangtong</i>	Caesalpiniaceae	Leaves	Mizoram	32
810	<i>Cassia occidentalis</i> L.	<i>Hant thenga</i>	Caesalpiniaceae	Bark	Mizoram	32
811	<i>Catharanthus roseus</i> (L.) G. Don	<i>Nayantara</i>	Apocynaceae	Roots, leaves, whole plant	Mizoram	32
812	<i>Cinnamomum tamala</i> T. Nees and Eberm.	<i>Lappyring</i>	Lauraceae	Leaves	Mizoram	32
813	<i>Dillenia pentagyna</i> Roxb.	<i>Kaihzawl</i>	Dilleniaceae	Bark	Mizoram	32
814	<i>Ficus semicordata</i> Miq.	<i>Theipui</i>	Moraceae	Bark	Mizoram	32
815	<i>Ichnocarpus frutescens</i> (L.) R. Br.	<i>Dudhkuri lota</i>	Apocynaceae	Root	Mizoram	32
816	<i>Inula cappa</i> (Buch. - Ham.ex D. Don) DC	<i>Buarthau</i>	Asteraceae	Leaves	Mizoram	32
817	<i>Lepionurus sylvestris</i> Blume	<i>Anpangthuam</i>	Opiliaceae	Leaves	Mizoram	32
818	<i>Mallotus roxburghianus</i> Müll.Arg.	<i>Zawngtenawh-lung</i>	Euphorbiaceae	Leaves	Mizoram	32
819	<i>Momordica charantia</i> L.	<i>Tita kerela</i>	Cucurbitaceae	Fruit	Mizoram	32
820	<i>Picrasma javanica</i> Blume	<i>Thingdamdawi</i>	Simaroubaceae	Bark	Mizoram	32
821	<i>Vitex peduncularis</i> Wal L.	<i>Thingkhawilu</i>	Lamiaceae	Bark	Mizoram	32
Nagaland						
822	<i>Abroma augusta</i> (L.) L. f.	<i>Ulatkambal</i>	Malvaceae	Fresh leaf	Nagaland	33
823	<i>Albizia lebbeck</i> Linn.	<i>Moang (Ao tribe)</i>	Fabaceae	Stem and its bark	Nagaland	33
824	<i>Asparagus racemosus</i> Willd	<i>Pongijo (Phom tribe)</i>	Asparagaceae	Roots	Nagaland	33

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
825	<i>Azadirachta indica</i> A. Juss.	Neem	Meliaceae	Leaf	Nagaland	33
826	<i>Bauhinia variegata</i> L.	Alphabo(Sumi tribe)	Caesalpiaceae	Roots and bark	Nagaland	33
827	<i>Cajanus cajan</i> (L.) Millsp.	Chiopi (Zeliang tribe)	Fabaceae	Leaf	Nagaland	33
828	<i>Catharanthus roseus</i> (Linn.) G. Don	Ampoknaro (Phom tribe), Supienaro (Ao tribe)	Apocynaceae	Leaves and flower	Nagaland	33
829	<i>Cassia alata</i> L.	Dadmari	Fabaceae	Leaf	Nagaland	33
830	<i>Cinnamomum tamala</i> (Buch-Ham) T.	Tejpat	Lauraceae	Leaves	Nagaland	33
831	<i>Cissampelos pareira</i> Linn.	Likhazung(Ao tribe)	Menispermaceae	Roots and leaves	Nagaland	33
832	<i>Clarodendron colebrookianum</i> D. Don	Oremwa (Ao tribe)	Verbenaceae	Leaves	Nagaland	33
833	<i>Coccinia indica</i> W. and A.	Kundru	Cucurbitaceae	Leaf and fruit	Nagaland	33
834	<i>Debregeasia longifolia</i> (Burm. f.) Wedd	Natsulawa (Ao tribe)	Urticaceae	Leaf	Nagaland	33
835	<i>Dicentra scandens</i>	Phubai (Ao tribe)	Fumariaceae	Tubers	Nagaland	33
836	<i>Dioscorea alata</i> Linn.	Achuchu (Sumi tribe)	Dioscoreaceae	Tubers	Nagaland	33
837	<i>Eclipta prostrata</i> Roxb.	Bringaraja	Asteraceae	Leaf	Nagaland	33
838	<i>Emblica officinalis</i> Gaertn.	Jakhethi (Lotha tribe), Aonla (Chakhesang tribe)	Euphorbiaceae	Fruit	Nagaland	33
839	<i>Eucalyptus globules</i> Labil L.	Eucalyptus (Ao tribe)	Myrtaceae	Leaves and flowers	Nagaland	33
840	<i>Euphorbia hirta</i> L.	Laghudugdika	Euphorbiaceae	Leaves and flower	Nagaland	33
841	<i>Gynura crepidioides</i> Benth.	Monglibaza (Ao tribe)	Asteraceae	Leaf	Nagaland	33
842	<i>Juniperus racemosa</i> Risso.	Vapusa	Cupressaceae	Berries	Nagaland	33
843	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Hohlongkak (Phom)	Crassulaceae	Leaves	Nagaland	33
844	<i>Melothria heterophylla</i> (Lour.) Cogn.	Hangkhapaitarere (tangkhul – naga tribe)	Cucurbitaceae	Fruits	Nagaland	33
845	<i>Momordica balsamina</i> L.	Kora (Chang tribe)	Cucurbitaceae	Leaves and seed, fruits	Nagaland	33
846	<i>Momordica charantia</i> L.	Karela	Cucurbitaceae	Fruits	Nagaland	33
847	<i>Momordica dioica</i> Roxb. Will	Bhat karela	Cucurbitaceae	Fruits	Nagaland	33
848	<i>Morus alba</i> L.	Yong metiong	Moraceae	Leaf	Nagaland	33
849	<i>Mucuna pruriens</i> (L.) DC	Mesener (Ao tribe)	Fabaceae	Seeds	Nagaland	33
850	<i>Ocimum basilicum</i> L.	Nangparangtong	Lamiaceae	Leaf	Nagaland	33
851	<i>Ocimum tenuiflorum</i> L.	Tulasi	Lamiaceae	Leaf	Nagaland	33
852	<i>Oroxylum indicum</i> (Linn.) Benth. ex Kurz.	Kakidziihe (Mao tribe)	Bignoniaceae	Bark	Nagaland	33

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
853	<i>Paederia foetida</i> L.	Ajungzu or sunemli (Ao tribe)	Rubiaceae	Whole plant	Nagaland	33
854	<i>Panax ginseng</i> C. A. Meyer.	Tsudirmozu	Araliaceae	Roots	Nagaland	33
855	<i>Passiflora edulis</i> Sims.	Bel (Angami tribe)	Passifloraceae	Leaf	Nagaland	33
856	<i>Perilla frutescens</i> (L.) Britt.	Napa –tong (Ao tribe)	Lamiaceae	Leaves and inflorescence	Nagaland	33
857	<i>Phylogacanthus thytyrsiflorus</i> Nees.	Tuo-mozu (Ao tribe)	Acanthaceae	Leaves	Nagaland	33
858	<i>Potentilla fulgens</i> Wal L.	Kijiichiini (Angami tribe)	Rosaceae	Roots	Nagaland	33
859	<i>Punica granatum</i> L.	Pomegranate, Jarem (Ao tribe)	Puniaceae	Fruits and seeds	Nagaland	33
860	<i>Scoparia dulcis</i> L.	Mithipatta	Plantaginaceae	Whole plant	Nagaland	33
861	<i>Solanum nigrum</i> L.	Tiitsishe (Chakhesang tribe)	Solanaceae	Leaves	Nagaland	33
862	<i>Solanum trilobatum</i> L.	Longkok or likok (Ao tribe)	Solanaceae	Leaf	Nagaland	33
863	<i>Solena heterophylla</i> Lour.	Bankundri	Cucurbitaceae	Roots	Nagaland	33
864	<i>Syzygium cumini</i> (L.) Skeels	Jamun	Myrtaceae	Bark	Nagaland	33
865	<i>Tamarindus indica</i> L.	Imlī	Fabaceae	Seeds and leaf	Nagaland	33
866	<i>Terminalia chebula</i> Retz.	Haritaki	Combretaceae	Seeds	Nagaland	33
867	<i>Tinospora cordifolia</i> (Thunb.) Miers	Guduchii	Menispermaceae	Stem	Nagaland	33
868	<i>Zanthoxylum armatum</i>	Mongmang (Ao tribe), Ganya (Angami)	Rutaceae	Leaves and fruits	Nagaland	33
Odisha						
869	<i>Acacia farnesiana</i>	Bilati-babul	Mimosaceae	Bark	Odisha	34
870	<i>Achyranthes aspera</i>	Apamaranga	Amaranthaceae	Root	Odisha	34
871	<i>Aegle marmelose</i>	Bela	Rutaceae	Leaf	Odisha	34
872	<i>Aerva lanata</i>	Paunsia	Amaranthaceae	Root	Odisha	34
873	<i>Ailanthus excels</i>	Mahalimba	Simaroubaceae	Bark	Odisha	34
874	<i>Alangium salvifolium</i>	Ankula	Alangiaceae	Leaf	Odisha	34
875	<i>Alium sativum</i>	Rasuna	Amaryllidaceae	Bulb	Odisha	34
876	<i>Allium cepa</i>	Piyaj	Liliaceae	Bulb	Odisha	34
877	<i>Aloe barbadensis</i>	Gheenkumari	Aloaceae	Leaf	Odisha	34
878	<i>Alstonia scholaris</i>	Saptaparna	Apocyanaceae	Bark	Odisha	34
879	<i>Azadiracta indica</i>	Nimba	Meliaceae	Leaf, seed, bark	Odisha	34
880	<i>Bacopa monnieri</i>	Panikundi	Scrophulariaceae	Leaf	Odisha	34
881	<i>Calotropis gigantean</i>	Arakha	Asclepiadaceae	Flower	Odisha	34
882	<i>Capsicum annum</i>	Simla Lanka	Solanaceae	Fruit	Odisha	34
883	<i>Carica papaya</i>	Amrutabhandā	Caricaceae	Green fruit, Seed, Leaf	Odisha	34

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
884	<i>Cassia auriculata</i>	Tarwar	Caesalpiniaceae	Leaf	Odisha	34
885	<i>Cinnamomum verum</i>	Dalchini	Lauraceae	Inner Bark, root	Odisha	34
886	<i>Clerodendrum fragranse</i>	Brajamalli	Labiataeae	Leaf	Odisha	34
887	<i>Clerodendrum phlomidis</i>	Ganiary	Verbenaceae	Leaf	Odisha	34
888	<i>Clerodendrum viscosum</i>	Gengguti	Verbenaceae	Leaf	Odisha	34
889	<i>Coccinia grandis</i>	Kunduri	Cucurbitaceae	Leaf,Fruit, Flower	Odisha	34
890	<i>Coriandrum sativum</i>	Dhania	Umbelliferae	Leaf	Odisha	34
891	<i>Gymnema sylvestre</i>	Gudmari	Asclepiadaceae	Leaf	Odisha	34
892	<i>Helicteres isora</i>	Mudimudika	Sterculiaceae	Bark, Root, fruit	Odisha	34
893	<i>Hibiscus sabdariffa</i>	Mandara	Malvaceae	Flower (petals)	Odisha	34
894	<i>Hybanthus enneaspermus</i>	Madanmastaka	Violaceae	Whole plant	Odisha	34
895	<i>Mangifera indica</i>	Amba	Anacardiaceae	Leaf	Odisha	34
896	<i>Mentha piperitae</i>	Podina	Lamiaceae	Leaf	Odisha	34
897	<i>Momordica charantia</i>	Kalara	Cucurbitaceae	Fruit, leaf	Odisha	34
898	<i>Murraya koenigii</i>	Kadipatta	Rutaceae	Leaf	Odisha	34
899	<i>Ocimum sanctum</i>	Tulasi	Lamiaceae	Leaf, root	Odisha	34
900	<i>Phyllanthus embilica</i>	Amla	Euphorbiaceae	Fruit	Odisha	34
901	<i>Pistia stratiotes</i>	Borajhanji	raceae	Leaf	Odisha	34
902	<i>Psidium guajava</i>	Pijuli	Myrtaceae	Bud	Odisha	34
903	<i>Pterocarpus marsupium</i>	Piyasal	Fabaceae	Heart wood	Odisha	34
904	<i>Santalum album</i>	Chandan	Santalaceae	Heart wood	Odisha	34
905	<i>Saracaasoca indica</i>	Asoka	Caesalpiniaceae	Flower	Odisha	34
906	<i>Sida cordifolia</i>	Bajramuli	Malvaceae	Root	Odisha	34
907	<i>Stevia rabaudiana</i>	Stevia	Asteraceae	Leaf	Odisha	34
908	<i>Syzygium cumini</i>	Jamukoli	Myrtaceae	Seed	Odisha	34
909	<i>Tamarindus indica</i>	Tentuli	Caesalpiniaceae	Seed	Odisha	34
910	<i>Terminalia arjuna</i>	Akhagachha	Combretaceae	Bark	Odisha	34
911	<i>Terminalia bellirica</i>	Bahada	Combretaceae	Fruit	Odisha	34
912	<i>Tinospora cordifolia</i>	Guluchi	Menispermaceae	Stem	Odisha	34
913	<i>Trigonela foenum</i>	Fenugreek	leguminoseae	Seed	Odisha	34
914	<i>Vinca rosea</i>	Sadabihari	Apocyanaceae	Leaf	Odisha	34
915	<i>Xanthium indicum</i>	Bana-gokhara	Asteraceae	Fruit	Odisha	34
916	<i>Curcuma longa</i>	Haladi	Zingiberaceae	Rhizome	Odisha	34
917	<i>Lawsonia inermis</i>	Manjuati	Lythraceae	Flower,seed	Odisha	34
Punjab						
918	<i>Mentha arvensis</i> L.	Pudina	Lamiaceae	Leaf	Punjab	35
919	<i>Ocimum sanctum</i> L.	Ram Tulsi	Lamiaceae	Leaf, Whole plant	Punjab	35
920	<i>Pogostemon benghalensis</i>	Kalibasuti	Lamiaceae	Leaf	Punjab	35
921	<i>Cinnamomum tamala</i>	Tejpatta	Lauraceae	Leaf	Punjab	35

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
922	<i>Litsea glutinosa</i>	Rahan, Rahain	Lauraceae	Bark	Punjab	35
923	<i>Allium sativum</i> L.	Garlic, Lahsun	Liliaceae	Bulb	Punjab	35
924	<i>Allium cepa</i> L.	Onion, Piyaz	Liliaceae	Bulb, Leaf	Punjab	35
925	<i>Asparagus racemosus</i> Willd.	Sahanspai, Shatavar	Liliaceae	Root	Punjab	35
926	<i>Punica granatum</i> L.	Anar	Lythraceae	Fruit, Seed	Punjab	35
927	<i>Azadirachta indica</i> A. Juss.	Neem	Meliaceae	Fruit	Punjab	35
928	<i>Melia azedarach</i> L.	Dek, Darek, Bakain	Meliaceae	Leaf	Punjab	35
929	<i>Cissampelos pareira</i> L.	Bhatindu, Patindu	Menispermaceae	Leaf	Punjab	35
930	<i>Tinospora cordifolia</i> (Willd.) Miers	Giloy, Glo	Menispermaceae	Stem	Punjab	35
931	<i>Ficus religiosa</i> L.	Peepal	Moraceae	Fruit	Punjab	35
932	<i>Morus alba</i> L.	Shahtoot, Tut	Moraceae	Fruit	Punjab	35
933	<i>Moringa oleifera</i> Lam.	Suhanjana, Sunjana	Moringaceae	Fruit	Punjab	35
934	<i>Musa paradisiaca</i> L.	Kela	Musaceae	Fruit	Punjab	35
935	<i>Psidium guajava</i> L.	Amrood	Myrtaceae	Leaf	Punjab	35
936	<i>Syzygium cumini</i> (L.) Skeels	Jamun, Jamman	Myrtaceae	Fruit	Punjab	35
937	<i>Piper nigrum</i> L.	Kali mirch	Piperaceae	Seed	Punjab	35
938	<i>Piper longum</i> L.	Pipli, Piplamul	Piperaceae	Fruit	Punjab	35
939	<i>Hordeum vulgare</i> L.	Jau	Poaceae	Seed	Punjab	35
940	<i>Saccharum officinarum</i> L.	Ganna	Poaceae	Stem	Punjab	35
941	<i>Triticum aestivum</i> L.	Gehun, Kanak	Poaceae	Seed	Punjab	35
942	<i>Zea mays</i> L.	Makki, Chhalli	Poaceae	Stigma	Punjab	35
943	<i>Clematis virginiana</i> L.	Jhol, Chibru	Ranunculaceae	Leaf	Punjab	35
944	<i>Ziziphus jujuba</i> Mil L.	Ber	Rhamnaceae	Fruit	Punjab	35
945	<i>Prunus persica</i> (L.) Batsch	Aru, Adu	Rosaceae	Leaf	Punjab	35
946	<i>Aegle marmelos</i> (L.) Correa	Bael, Belpatra	Rutaceae	Leaf, Fruit	Punjab	35
947	<i>Citrus limon</i> (L.) Osbeck	Galgal, khatta	Rutaceae	Latex	Punjab	35
948	<i>Murraya koenigii</i> (L.) Spreng.	Gandhla, Kari patta	Rutaceae	Leaf	Punjab	35
949	<i>Sapindus mukorossi</i> Gaertn.	Ritha	Sapindaceae	Seed	Punjab	35
950	<i>Mimusops elengi</i> L.	Maulsiri	Sapotaceae	Root, Fruit	Punjab	35
951	<i>Lycopersicon esculentum</i> Mil L.	Tamatar	Solanaceae	Fruit	Punjab	35
952	<i>Physalis minima</i> L.	Bambhola, rasbhari	Solanaceae	Fruit	Punjab	35
953	<i>Solanum melongena</i> L.	Baingan	Solanaceae	Fruit	Punjab	35
954	<i>Withania coagulans</i> (Stocks) Dunal	Paneer dodi	Solanaceae	Fruit	Punjab	35
955	<i>Withania somnifera</i> (L.) Dunal	Ashwagandha	Solanaceae	Whole Plant	Punjab	35

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
956	<i>Clerodendrum phlomidis</i> L.f.	Arni	Verbenaceae	Bark	Punjab	35
957	<i>Premna latifolia</i> Roxb	Bankar	Verbenaceae	Leaf, Bark	Punjab	35
958	<i>Vitex negundo</i> L.	Bana, Nirgundi	Verbenaceae	Leaf	Punjab	35
959	<i>Vitis vinifera</i> L.	Angoor	Vitaceae	Fruit	Punjab	35
960	<i>Curcuma longa</i> L.	Haldi	Zingiberaceae	Rhizomes	Punjab	35
961	<i>Zingiber officinale</i> Roscoe	Adrak, Sonth	Zingiberaceae	Rhizomes	Punjab	35
962	<i>Tribulus terrestris</i> L.	Gokhru, Bhakhra	Zygophyllaceae	Fruits	Punjab	35
963	<i>Aloe vera</i> (L.) Burm. f	Kwar	Xanthorrhoeaceae	Gel	Punjab	35
Rajasthan						
964	<i>Acacia senegal</i> (L.) Willd.	Kumat	Fabaceae	Seeds	Rajasthan	36
965	<i>Aegle marmelos</i> L.	(Bael, Bili)	Rutaceae	Fruits	Rajasthan	36
966	<i>Alloterospis cimicina</i> (L.)	Basanti ghash	Poaceae	Grains	Rajasthan	36
967	<i>Aloe barbadensis</i> Mill.	Gwarpatha	Liliaceae	Leaves and Inflorescence	Rajasthan	36
968	<i>Bauhinia variegata</i> L.	Kachnar	Caesalpiniaceae	Fruits	Rajasthan	36
969	<i>Capparis decidua</i> (Forssk.)	Kair	Capparaceae	Fruits	Rajasthan	36
970	<i>Cinnamomum verum</i> L.	Cinnmon	Lauraceae	Leaves and inner bark	Rajasthan	36
971	<i>Coix lacryma-jobi</i> L.	Garelo	Poaceae	Grains	Rajasthan	36
972	<i>Cordia mixa</i> Roxd.	Lasoda	Boraginaceae	Fruits	Rajasthan	36
973	<i>Cucumis callosu</i>	kachri	Cucurbitaceae	Fruits	Rajasthan	36
974	<i>Cyamopsis tetragonoloba</i> (L.)	Guar	Fabaceae	Pods and beans	Rajasthan	36
975	<i>Echinochloa colonum</i> (L.)	Sama	Poaceae	Grains	Rajasthan	36
976	<i>Echinochloa crusgalli</i> (L.)	Sama	Poaceae	Grains	Rajasthan	36
977	<i>Eleusine coracana</i> (L.)	Garelo	Poaceae	Grains	Rajasthan	36
978	<i>Feronia limonia</i> (L.)	Kotambadi	Rutaceae	Ripe fruits	Rajasthan	36
979	<i>Illicium verum</i> Hook	Javitri	Illiciaceae	Aril of Fruit	Rajasthan	36
980	<i>Mukia maderaspatana</i> (L.)	Sirvi	Cucurbitaceae	Leaves	Rajasthan	36
981	<i>Myristica fragrans</i> Houtt	Jaiphal	Myristicaceae	Fruits	Rajasthan	36
982	<i>Panicum miliaceum</i> L.	Samlai	Poaceae	Grains	Rajasthan	36
983	<i>Panicum sumatrense</i>	Samlai	Poaceae	Grains	Rajasthan	36
984	<i>Paspalidium flavidum</i> (Retz.)	Samlai	Poaceae	Grains	Rajasthan	36
985	<i>Paspalum scrobiculatum</i> L.	Kodra	Poaceae	Grains	Rajasthan	36
986	<i>Pithecellobium dulce</i> (Roxb.)	Madras thorn, Jungle Jalebi	Fabaceae	Fruits	Rajasthan	36
987	<i>Prosopis cineraria</i> (L.)	(Sangri, Khejri, Shami)	Fabaceae	Pods	Rajasthan	36

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
988	<i>Psidium guajava</i> L.	Guava	Myrtaceae	Fruits	Rajasthan	36
989	<i>Setaria glauca</i> (L.)	Kukarva	Poaceae	Grains	Rajasthan	36
990	<i>Setaria italica</i> (L.)	Kangini	Poaceae	Grains	Rajasthan	36
991	<i>Syzygium cumini</i> (L.)	Jamun	Myrtaceae	Fruits	Rajasthan	36
992	<i>Syzygium heyneanum</i>	Jungle jamun	Myrtaceae	Fruits	Rajasthan	36
993	<i>Trichosanthes anguina</i> L.	Chachinda	Cucurbitaceae	Fruits	Rajasthan	36
994	<i>Trigonella corniculata</i> L.	Dandi Methi	Fabaceae	Whole plant	Rajasthan	36
995	<i>Trigonella foenum graecum</i> (L.)	Methi	Fabaceae	Whole plant	Rajasthan	36
996	<i>Artocarpus heterophyllus</i> Lam	Kathal	Moraceae	Fruits	Rajasthan	37
997	<i>Azadirachta indica</i> A. Juss.	Neem	Meliaceae	Leaves	Rajasthan	37
998	<i>Catharanthus roseus</i> Linn.	Sadabhar	Apocynaceae	Root bark	Rajasthan	37
999	<i>Citrullus colocynthis</i> (Linn.) Schard	Indrayan	Cucurbitaceae	Whole plant, fruits	Rajasthan	37
1000	<i>Commiphora wightii</i> (Arn.) Bhandari	Guggul	Burseraceae	Plant juice and gum oleo-resin	Rajasthan	37
1001	<i>Commiphora wightii</i> (Arn.) Bhandari	Guggul	Burseraceae	Plant juice and gum oleo-resin	Rajasthan	37
1002	<i>Ficus bengalensis</i> Linn.	Bargad	Moraceae	Adventitious roots	Rajasthan	37
1003	<i>Syzygium cumini</i> Linn	Jamun	Myrtaceae	Leaves, seeds, gum	Rajasthan	37
1004	<i>Trigonella foenum-graecum</i> Linn	Methi dana	Fabaceae	Seeds	Rajasthan	37
Sikkim						
1005	<i>Anthocephalus cadamba</i>	Kadam	Rubiaceae	Leaves	Sikkim	1
1006	<i>Asparagus racemosus</i>	Kurilo	Liliaceae	Leaves	Sikkim	1
1007	<i>Bauhinia vahlii</i>	Verla	Caesalpiniaceae	Stem Bark	Sikkim	1
1008	<i>Berberis aristata</i>	Chutro	Berberidaceae	Stem Bark	Sikkim	1
1009	<i>Callicarpa arborea</i>	Guahelo	Lamiaceae	Stem Bark	Sikkim	1
1010	<i>Calotropis gigantea</i>	Anhk	Apocynaceae	Leaves, Flower	Sikkim	1
1011	<i>Campylandra aurantiaca</i>	Nakima	Asparagaceae	Flower, Rhizome	Sikkim	1
1012	<i>Cassia fistula</i>	Raj Briksha	Caesalpiniaceae	Leaves	Sikkim	1
1013	<i>Centella asiatica</i>	Gora taprey	Mackinlayaceae	Leaves	Sikkim	1
1014	<i>Chenopodium album</i>	Bethu saag	Chenopodiaceae	Root	Sikkim	1
1015	<i>Clerodendron infortunatum</i>	Chitu	Verbenaceae	Leaves, Flower	Sikkim	1
1016	<i>Costus speciosus</i>	Betlaure	Costaceae	Rhizome	Sikkim	1
1017	<i>Dillenia indica</i>	Ramphal Paancaphal	Dilleniaceae	Leaves	Sikkim	1
1018	<i>Dioscorea alata</i>	Ghartarul	Dioscoreaceae	Fruit	Sikkim	1

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1019	<i>Drymaria cordata</i>	Abhijalo	Caryophyllaceae	Leaves	Sikkim	1
1020	<i>Edgeworthia gardeneri</i>	Argaily	Thymelaeaceae	Flower, Stem bark	Sikkim	1
1021	<i>Fagopyrum esculentum</i>	Mithey phapur	Polygonaceae	Bran	Sikkim	1
1022	<i>Ficus semicordata</i>	Khasrey khaneu	Moraceae	Root, Fruit, Leaves	Sikkim	1
1023	<i>Fraxinus floribunda</i>	Lakuri	Oleaceae	Bark	Sikkim	1
1024	<i>Garuga pinnata</i>	Dubdabay	Burseraceae	Bark	Sikkim	1
1025	<i>Gloriosa superb</i>	Langarey tarul	Liliaceae	Root tuber	Sikkim	1
1026	<i>Holarrhena antidysentrica</i>	Anley khirrn	Apocynaceae	Bark, Seed	Sikkim	1
1027	<i>Jatropha curcas</i>	Hathikana	Euphorbiaceae	Bark	Sikkim	1
1028	<i>Leea macrophylla</i>	Bulyettra	Vitaceae	Root, leaves, Seeds	Sikkim	1
1029	<i>Malia azederach</i>	Bakiana	Meliaceae	Entire plant	Sikkim	1
1030	<i>Oxalis corniculata</i>	Chariamilo	Oxalidaceae	Entire Plant	Sikkim	1
1031	<i>Oroxylum indicum</i>	Totala	Bignoniaceae	Flower	Sikkim	1
1032	<i>Physalis minima</i>	Raasbhari	Solanaceae	Fruit	Sikkim	1
1033	<i>Rubus ellipticus</i>	Aeiselu	Rosaceae	Fruit	Sikkim	1
1034	<i>Ricinus communis</i>	Rairi	Euphorbiaceae	Leaves, Root	Sikkim	1
1035	<i>Smilax zeylanica</i>	Kukur Daaino	Smilacaceae	Rhizome	Sikkim	1
1036	<i>Stephania glabra</i>	Tamarkey	Menispermaceae	Tubers, Root	Sikkim	1
1037	<i>Syzygium cumini</i>	Kyamuna	Myrtaceae	Stem bark	Sikkim	1
1038	<i>Tamaarindus indica</i>	Teet - teetee	Caesalpiniaceae	Fruit pulp	Sikkim	1
1039	<i>Tinospora cordifolia</i>	Gurjo	Menispermaceae	Root	Sikkim	1
1040	<i>Zingiber officinale</i>	Aduwa	Zingiberaceae	Rhizome	Sikkim	1
Tamilnadu						
1041	<i>Sambucus nigra</i> L.	American black elderberry	Adoxaceae	Fruits	Tamilnadu	37
1042	<i>Sclerocarya birea</i> (A. Rich)	Marula	Anacardiaceae	Stem	Tamilnadu	37
1043	<i>Carum carvi</i> L.	Meridian fennel	Apiaceae	Seed	Tamilnadu	37
1044	<i>Sanguis draxonis</i>	Dragon's Blood	Apocynaceae	Resin	Tamilnadu	37
1045	<i>Vinca rosea</i> L.	Nayantara	Apocynaceae	Leaves	Tamilnadu	37
1046	<i>Kalopanax pictus</i> Thumb	Castor aralia	Araliaceae	Stem bark	Tamilnadu	37
1047	<i>Areca catechu</i> L.	Betel palm	Arecaceae	Seeds	Tamilnadu	37
1048	<i>Gymnema montanum</i> Hook	<i>Bidaria tingens</i> Decne	Asclepiadaceae	Leaf	Tamilnadu	37
1049	<i>Gymnema sylvestre</i> R. Br.	Gurmar	Asclepiadaceae	Leaves	Tamilnadu	37
1050	<i>Achillea santolina</i> L.	Yarrow	Asteraceae	Leaves	Tamilnadu	37
1051	<i>Artemisia patterns</i>	Mugwort	Asteraceae	Leaves	Tamilnadu	37
1052	<i>Psacalium decompositum</i> (Gray) H.	Matarique	Asteraceae	Whole plant	Tamilnadu	37

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1053	<i>Psacalium peltatum</i> (Kunth)	Indianbush	Asteraceae	Root	Tamilnadu	37
1054	<i>Parmentiera edulis</i> A. DC	Cucumber tree	Bignoniaceae	Fruit	Tamilnadu	37
1055	<i>Brassica juncea</i> (L.)	Chinese mustard	Brassicaceae	Seeds	Tamilnadu	37
1056	<i>Butea manosperma</i> (Lam)	Flame-of-the-forest	Caesalpinaceae	Leaf and Bark	Tamilnadu	37
1057	<i>Capparis spinosa</i> L.	Caper bush	Capparidaceae	Root	Tamilnadu	37
1058	<i>Solacia oblonga</i>	Oblong leaf salacia	Celastraceae	Stem	Tamilnadu	37
1059	<i>Beta vulgaris</i> L.	Beet	Chenopodiaceae	Root	Tamilnadu	37
1060	<i>Terminalia bellirica</i> (Gaertn)	Myrobalan	Combretaceae	Fruits	Tamilnadu	37
1061	<i>Terminalia chebula</i> Retz.	Haritaki	Combretaceae	Fruits	Tamilnadu	37
1062	<i>Commelina communis</i> L	Asiatic dayflower	Conimelinaceae	Leaves	Tamilnadu	37
1063	<i>Ipomoea aquatica</i> Forsk.	Water spinach	Convolvulaceae	Leaves	Tamilnadu	37
1064	<i>Cogniauxia podoleana</i> Baillon	Cogniauxia	Cucurbitaceae	Leaves	Tamilnadu	37
1065	<i>Ibervillea sonora</i> S.	wareque	Cucurbitaceae	Root	Tamilnadu	37
1066	<i>Momordica charantia</i> L.	Bitter melon	Cucurbitaceae	Fruits	Tamilnadu	37
1067	<i>Croton cajucara</i> Benth	Variegated laurel	Euphorbiaceae	Bark and leaf	Tamilnadu	37
1068	<i>Phyllanthus sellowianus</i> Mul L. Arg.	Sarandí blanco	Euphorbiaceae	Leaf and stem	Tamilnadu	37
1069	<i>Medicago saliva</i> L.	burclover	Fabaceae	leaves	Tamilnadu	37
1070	<i>Enicostemma littorale</i> Blume	Maja-Makka booti	Gentianaceae	Leaves and roots	Tamilnadu	37
1071	<i>Gentiana olivieri</i> L.	Stemless gentian	Gentianaceae	Stems and leaves	Tamilnadu	37
1072	<i>Swertia chirayita</i> (Roxb)	Chiretta	Gentianaceae	Whole plant	Tamilnadu	37
1073	<i>Ginkgo biloba</i> L.	maidenhair tree	Ginkgoaceae	leaves	Tamilnadu	37
1074	<i>Globularia alypum</i> L.	Alypo Globe Daisy	Globulariaceae	Whole plant	Tamilnadu	37
1075	<i>Salacia reticulate</i> Wight	Kothala himbutu	Hippocrateaceae	Root and stem	Tamilnadu	37
1076	<i>Ocimum gratissimum</i> L.	African basil	Lamiaceae	Leaves	Tamilnadu	37
1077	<i>Teucrium polium</i>	felty germander	Lamiaceae	Leaves	Tamilnadu	37
1078	<i>Pterocarpus marsupium</i> L	Pitsal	Leguminosae	Leaves	Tamilnadu	37
1079	<i>Allium cepa</i> L.	common onion	Liliaceae	bulb	Tamilnadu	37
1080	<i>Allium sativum</i> L.	garlic	Liliaceae	bulb	Tamilnadu	37
1081	<i>Lagerstroemia speciosa</i> L.	Pride-of-India	Lythraceae	leaves	Tamilnadu	37
1082	<i>Bombax ceiba</i> L.	cotton tree	Malvaceae	leaves	Tamilnadu	37
1083	<i>Azadirachta indica</i> A. Juss.	Neem	Meliaceae	Leaves	Tamilnadu	37
1084	<i>Tinospora cordifolia</i> Miers.	Guduchi	Menispermaceae	stem	Tamilnadu	37
1085	<i>Tinospora crispa</i> (L) Hook.	Petawali	Menispermaceae	stem	Tamilnadu	37
1086	<i>Ficus benghalensis</i> L	banyan	Moraceae	bark	Tamilnadu	37

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1087	<i>Morus alba</i> L.	white mulberry	Moraceae	fruits, leaves, branches, and root barks	Tamilnadu	37
1088	<i>Morus indica</i> L.	mulberry	Moraceae	leaves or shoot	Tamilnadu	37
1089	<i>Morus insignis</i> L.	Mulberry fruit	Moraceae	fruits, leaves, branches, and root barks	Tamilnadu	37
1090	<i>Psidium guajava</i> L.	common guava	Mrytaceae	Leaf	Tamilnadu	37
1091	<i>Eugenia jambolana</i> Lam	Jamun	Myrtaceae	Seeds	Tamilnadu	37
1092	<i>Syzygium alternifolium</i>	Salam	Myrtaceae	Leaf	Tamilnadu	37
1093	<i>Nelumbo nucifera</i> L.	lotus	Neluntbonaceae	leaf	Tamilnadu	37
1094	<i>Boerhaavia diffusa</i> L.	Punarnava	Nyctaginaceae	Whole Plant	Tamilnadu	37
1095	<i>Pandanus odoratus</i> Rid L.	pandan	Pandanaceae	leaf	Tamilnadu	37
1096	<i>Glycyrrhiza uralensis</i> Fish.	Chinese liquorice	Papilionaceae	leaf	Tamilnadu	37
1097	<i>Cynodon dactylon</i> Pers	Dhoob	Poaceae	leaves	Tamilnadu	37
1098	<i>Adiantum capillus-veneris</i> L.	Maidenhair fern	Polypodiaceae	Whole plant	Tamilnadu	37
1099	<i>Punica granatum</i> L.	pomegranate	Punicaceae	Fruits	Tamilnadu	37
1100	<i>Nigella sativa</i> Gaertn.	black cumin	Ranunculaceae	Seeds	Tamilnadu	37
1101	<i>Ziziphus sativa</i> Gaertn	Red date	Rhamnaceae	Fruits	Tamilnadu	37
1102	<i>Ziziphus spina-christi</i> L.	Christ's thorn jujube	Rhamnaceae	leaves	Tamilnadu	37
1103	<i>Eriobotrya japonica</i> Lind L.	Loquat	Rosaceae	leaves	Tamilnadu	37
1104	<i>Hintonia standleyana</i>	copalchi	Rubiaceae	stem-barks	Tamilnadu	37
1105	<i>Aegle marmelose</i> L.	Bael	Rutaceae	Leaves	Tamilnadu	37
1106	<i>Murraya koenigii</i> L.	Curry Leaf	Rutaceae	Leaves	Tamilnadu	37
1107	<i>Scoparia dulcis</i> L.	licorice weed	Scrophariaceae	Leaves	Tamilnadu	37
1108	<i>Withania soimifera</i> (L) Dunal	ashwagandha	Solanaceae	Roots	Tamilnadu	37
1109	<i>Withania coagulans</i> Dunal	Indian rennet	Solanaceae	Fruits	Tamilnadu	37
1110	<i>Urtica dioica</i> L.	stinging nettle	Urticaceae	Leaves	Tamilnadu	37
1111	<i>Urtica pilulifera</i> L.	Roman nettle	Urticaceae	Leaves	Tamilnadu	37
1112	<i>Curcuma longa</i> L.	turmeric	Zingiberaceae	Rhizomes	Tamilnadu	37
1113	<i>Zygophyllum gaetulum</i> Emb	Maire	Zygophyllaceae	Aerial Parts	Tamilnadu	37
1114	<i>Acacia arabica</i>	Indian Gum Arabic	Fabaceae	Seeds, Bark	Tamilnadu	38
1115	<i>Allium cepa</i>	Onion	Alliaceae	Onion extract, Bulb	Tamilnadu	38
1116	<i>Allium sativum</i>	Garlick	Alliaceae	Garlic extract, oil	Tamilnadu	38
1117	<i>Aloe barbadensi</i>	Barbados Aloe	Asphodelac eae	Leaves, gel extract, juice	Tamilnadu	38
1118	<i>Azadirachta indica</i>	Neem	Meliaceae	Leaves, and root extract, seed	Tamilnadu	38

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1119	<i>Beta vulgaris</i>	Beetroot	Chenopodiaceae	Whole plant	Tamilnadu	38
1120	<i>Brassica juncea</i>	Mustard	Brassicaceae	Seeds, Leaves	Tamilnadu	38
1121	<i>Capsicum frutescens</i>	Chilli	Solanaceae	Fruit extract	Tamilnadu	38
1122	<i>Cinnamomum zeylanicum</i>	Cinnamon	Lauraceae	Bark or leaves extract	Tamilnadu	38
1123	<i>Coriandrum sativum</i>	Coriander	Apiaceae	Leaves	Tamilnadu	38
1124	<i>Cuminum cyminum</i>	Cumin seeds	Apiaceae	Seed	Tamilnadu	38
1125	<i>Curcuma longa</i>	Turmeric	Zingiberaceae	Root.	Tamilnadu	38
1126	<i>Ficus bengalensis</i>	Banyan Tree	Moraceae	Bark	Tamilnadu	38
1127	<i>Glycine max</i>	Soya beans	Fabaceae	Seed	Tamilnadu	38
1128	<i>Gymnema sylvestre</i>	Suger destroyer	Asclepiadaceae	Leaf callus, stem	Tamilnadu	38
1129	<i>Hordeum vulgare</i>	Barley	Poaceae	Soluble fibre, malted extract	Tamilnadu	38
1130	<i>Jatropha curcas</i>	Barbados nut	Euphorbiaceae	Whole plant	Tamilnadu	38
1131	<i>Mangifera indica</i>	Mango Tree	Anacardiaceae	Stem bark, leaves	Tamilnadu	38
1132	<i>Mentha piperitae</i>	Peppermint	Lamiaceae	Leaves	Tamilnadu	38
1133	<i>Momordica charantia</i>	Bitter melon	Cucurbitaceae	Whole plant	Tamilnadu	38
1134	<i>Moringa oleifera</i>	Moringa	Moringaceae	Whole plant	Tamilnadu	38
1135	<i>Murraya koenigii</i>	Curry leaves	Rutaceae	Leaves	Tamilnadu	38
1136	<i>Musa sapientum</i>	Sweet banana	Musaceae	Whole plant particularly flower extract	Tamilnadu	38
1137	<i>Nelumbo nucifera</i>	Sacred lotus	Nymphaeaceae	Flower	Tamilnadu	38
1138	<i>Oceimum sanctum</i>	Holy Basil	Lamiaceae	Leaf	Tamilnadu	38
1139	<i>Psidium guajava</i>	Guava	Myrtaceae	Stem bark, leaves, fruits.	Tamilnadu	38
1140	<i>Tamarindus indica</i>	Tamarind tree	Fabaceae	Seed, Pulp of Fruit	Tamilnadu	38
1141	<i>Triticum vulgare</i>	Wheat	Poaceae	Whole plant	Tamilnadu	38
1142	<i>Zingiber officinale</i>	Ginger	Zingiberaceae	Raw ginger	Tamilnadu	38
Telangana						
1143	<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Buddha tree	Annonaceae	bark	Telangana	39
1144	<i>Pongamia pinnata</i> (Linn.) Pierre	malapari	Fabaceae	roots	Telangana	39
1145	<i>Portulaca oleracea</i> Linn	purslane	Portulacaceae	leaves	Telangana	39
1146	<i>Pterocarpus marsupium</i> Roxb.	Bija	Fabaceae	leaf	Telangana	39
1147	<i>Saraca indica</i> Linn.	asoka	Caesalpiniaceae	Leaf	Telangana	39
1148	<i>Scoparia dulcis</i> L.	licorice weed	Scrophulariaceae	Leaf	Telangana	39
1149	<i>Syzygium cumini</i> (Linn.) Skeels	Jamun	Myrtaceae	Fruits	Telangana	39
1150	<i>Tectona grandis</i> Linn. F.	Teak	Verbinaceae	bark	Telangana	39

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1151	<i>Thespesia populnae</i> (Linn.) Soland ex Correa	Pacific rosewood	Malvaceae	leaf	Telangana	39
1152	<i>Tragia involucrata</i> Linn.	Indian stinging nettle	Euphorbiaceae	Whole plant	Telangana	39
<i>Tripura</i>						
1153	<i>Adhatoda vasica</i> Nees.	Vasak pata	Acanthaceae	Root, leaf, flower	Tripura	11
1154	<i>Albizia procera</i> (Roxb.)	Koroi, gurar, kurha, safed siris	Mimosaceae	Leaf, flower, bark	Tripura	11
1155	<i>Alocasia indica</i> (Roxb.) Schott	Mankachu, mankanda, hastikarni	Araceae	Rhizome	Tripura	11
1156	<i>Ananas comosus</i> (L.) Merr	Amatoi, Ananash, Ananas, Anamnasam,	Bromeliaceae	Whole plant	Tripura	11
1157	<i>Andrographis paniculata</i>	Kalmegh	Acanthaceae	Whole plant	Tripura	11
1158	<i>Areca catechu</i> L.	Supari	Araceae	Nuts	Tripura	11
1159	<i>Artocarpus heterophyllus</i> Lamk.	Kathal	Moraceae	Leaf	Tripura	11
1160	<i>Azadirachta indica</i> Juss..	Inkbow, Neem	Meliaceae	Leaf, seed	Tripura	11
1161	<i>Bombax ceiba</i> .L	Shimul	Bombacaceae	Flower and stem bark	Tripura	11
1162	<i>Cannabis sativa</i> L.	Bhang, ganja	Cannabinaceae	Seeds	Tripura	11
1163	<i>Carica papaya</i> L	Papaya	Caricaceae	Seeds, fruits	Tripura	11
1164	<i>Cassia fistula</i> L.	Aragvadha, Suvarnaka, Amultas,	Caesalpiniaceae	Flower, seed, stem bark	Tripura	11
1165	<i>Cassia sophera</i> L	Kalkasunda	Caesalpiniaceae	Seeds and stem bark	Tripura	11
1166	<i>Cassia tora</i> L	Panevar	Caesalpiniaceae	Seeds	Tripura	11
1167	<i>Catharanthus roseus</i> G.Don	Nayantara	Apocynaceae	Leaf	Tripura	11
1168	<i>Cicca acida</i> Merr	Meer Harboroi/Laboir	Euphorbiaceae	Leafs	Tripura	11
1169	<i>Clerodendrum viscosum</i> Vent.	Bhandirah, Basavanapada, Ibbane	Verbenaceae	Whole plant	Tripura	11
1170	<i>Coccinia indica</i> (L.) Voigt	Telakuchi	Cucurbitaceae	Leaf, fruit	Tripura	11
1171	<i>Cocos nucifera</i> L.	Dab, Narikel	Araceae	Fruit and flower	Tripura	11
1172	<i>Cucumis melo</i> L.	Kakur	Cucurbitaceae	Whole plant part	Tripura	11
1173	<i>Cynodon dactylon</i> (L.) Pers	Durba	Poaceae	Whole plant	Tripura	11
1174	<i>Cyperus rotundus</i> L.	Mutha	Cyperaceae	Rhizome	Tripura	11
1175	<i>Dioscorea alata</i> L	Guranialu, Katalu, Chupri alu	Dioscoreaceae	Rhizome	Tripura	11
1176	<i>Elettaria cardamomum</i> (L.) Maton	Elaichi	Zingiberaceae	Fruit, seed and leaf	Tripura	11
1177	<i>Euphorbia hirta</i>	Bara dudhai	Euphorbiaceae	Whole plant	Tripura	11
1178	<i>Hemidesmus indicus</i>	Anantamul	Apocynaceae	Root	Tripura	11

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1179	<i>Holarrhena antidysenterica</i>	<i>Kurchi</i>	Apocynaceae	Seed, bark	Tripura	11
1180	<i>Kalanchoe pinnata</i> Pers	<i>Kophpata or patharkuchi</i>	Crassulaceae	Whole plant	Tripura	11
1181	<i>Musa paradisiaca</i> L.	<i>Mucha</i>	Musaceae	Mucha	Tripura	11
1182	<i>Nymphaea rubra</i> L.	<i>Podda kuchok, Jalpadda</i>	Nymphaeaceae	Leaf, stem and flower	Tripura	11
1183	<i>Ocimum sanctum</i> L.	<i>Bantha, Ban tulsi</i>	Lamiaceae	Leaf, stem, flower twing and root	Tripura	11
1184	<i>Phlogacanthus thyrsoiflorus</i> Nees	<i>Vasaka</i>	Acanthaceae	Flower, leaf	Tripura	11
1185	<i>Phyllanthus emblica</i> L.	<i>Amloki Amla, Amla, Amlika</i>	Euphorbiaceae	Seeds	Tripura	11
1186	<i>Scoparia dulcis</i> L.	<i>Nover, kotornisam</i>	Plantaginaceae	Whole plant	Tripura	11
1187	<i>Sesbania sesban</i> (Jacq.) W. Wight	<i>Jayanti</i>	Fabaceae	Leaf	Tripura	11
1188	<i>Smilax zeylanica</i> L.	<i>Jangliaushbah</i>	Smilacaceae	Root and leaf	Tripura	11
1189	<i>Streblus asper</i> Lour.	<i>Sheora</i>	Moraceae	Leaf	Tripura	11
1190	<i>Syzygium cumini</i> (L.) Skeels.	<i>Kala jam</i>	Myrtaceae	Bark, fruit and seeds	Tripura	11
1191	<i>Terminalia chebula</i> Retz	<i>Hortokhi</i>	Combretaceae	Seeds	Tripura	11
Uttarakhand						
1192	<i>Aconitum heterophyllum</i> WalL. ex Royle	<i>Ativisha</i>	Ranunculaceae	roots	Uttarakhand	40
1193	<i>Ajuga parviflora</i> Benth.	<i>Neelkanthi</i>	Lamiaceae	whole plant	Uttarakhand	40
1194	<i>Allium cepa</i> L.	<i>Palandu</i>	Amaryllidaceae	bulbs	Uttarakhand	40
1195	<i>Allium sativum</i> L.	<i>Lasuna</i>	Amaryllidaceae	bulbs	Uttarakhand	40
1196	<i>Allium stracheyi</i> Baker	<i>ambu</i>	Amaryllidaceae	whole plant	Uttarakhand	40
1197	<i>Aloe vera</i> (L.) Burm. f.	<i>Gritkumari</i>	Xanthorrhoeaceae	leaves	Uttarakhand	40
1198	<i>Artemisia indica</i> Willd.	<i>Pati</i>	Compositae	aerial parts	Uttarakhand	40
1199	<i>Artemisia roxburghiana</i>	<i>Roxburgh's Wormwood</i>	Compositae	aerial parts	Uttarakhand	40
1200	<i>Artemisia vulgaris</i> L.	<i>Dhamanaka</i>	Compositae	whole plant	Uttarakhand	40
1201	<i>Asparagus racemosus</i> Willd	<i>Shatapadi/Satamuli</i>	Asparagaceae	tuberous roots	Uttarakhand	40
1202	<i>Azadirachta indica</i> A. Juss.	<i>Nimba</i>	Meliaceae	all parts	Uttarakhand	40
1203	<i>Bauhinia variegata</i> L.	<i>Kachnara</i>	Leguminosae	stem bark and flowers	Uttarakhand	40
1204	<i>Berberis aristata</i> DC.	<i>Daruharidra, Daru haldi</i>	Berberidaceae	roots and stems	Uttarakhand	40
1205	<i>Bergenia ciliata</i> (Haw.) Sternb.	<i>Pashanabheda</i>	Saxifragaceae	whole plant	Uttarakhand	40
1206	<i>Bombax ceiba</i> L.	<i>Shalmali</i>	Malvaceae	fruits and flowers	Uttarakhand	40

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1207	<i>Catharanthus roseus</i> (L.) G. Don	<i>Sadapushpa</i>	Apocynaceae	whole plant	Uttarakhand	40
1208	<i>Cedrus deodara</i> (Roxb. ex D. Don) G. Don	<i>Indradaru</i>	Pinaceae	heartwood, bark, leaves	Uttarakhand	40
1209	<i>Cissampelos pareira</i> L.	<i>Patha</i>	Menispermaceae	whole plant	Uttarakhand	40
1210	<i>Curcuma longa</i> L.	<i>Haridra</i>	Zingiberaceae	rhizome	Uttarakhand	40
1211	<i>Curcuma zedoaria</i>	<i>Sugandha moola</i>	Zingiberaceae	rhizome	Uttarakhand	40
1212	<i>Digitalis purpurea</i> L.	<i>Hritpatri</i>	Plantaginaceae	leaf	Uttarakhand	40
1213	<i>Ficus auriculata</i> Lour	<i>Fagoora</i>	Moraceae	fruits and leaves	Uttarakhand	40
1214	<i>Ficus religiosa</i> L.	<i>Ashwattha</i>	Moraceae	bark, leaves, stem, fruits and latex	Uttarakhand	40
1215	<i>Gymnema sylvestre</i> (Retz.) R.Br. ex Sm.	<i>Madhunashini/ Meshashringi</i>	Apocynaceae	whole plant	Uttarakhand	40
1216	<i>Hedychium spicatum</i> Sm	<i>Shati</i>	Zingiberaceae	rhizome	Uttarakhand	40
1217	<i>Hordeum vulgare</i> L.	<i>Yava</i>	Poaceae	seeds	Uttarakhand	40
1218	<i>Mallotus philippensis</i> (Lam.) Müll L. Arg.	<i>Raktanga</i>	Euphorbiaceae	fruits	Uttarakhand	40
1219	<i>Melia azedarach</i> L.	<i>Mahaneemall part</i>	Meliaceae	all parts	Uttarakhand	40
1220	<i>Mentha piperita</i> L.	<i>Pudina</i>	Lamiaceae	whole plant	Uttarakhand	40
1221	<i>Morus alba</i> L.	<i>Tula/Brahmandaru</i>	Moraceae	leaf, root, bark and fruits	Uttarakhand	40
1222	<i>Nicotiana tabacum</i> L.	<i>Guchaphala</i>	Solanaceae	dried leaves	Uttarakhand	40
1223	<i>Ocimum gratissimum</i> L.	<i>Ajaka</i>	Lamiaceae	whole plant	Uttarakhand	40
1224	<i>Ocimum tenuiflorum</i> L.	<i>tulsi</i>	Lamiaceae	whole plant	Uttarakhand	40
1225	<i>Phyllanthus emblica</i> L.	<i>Amalaki</i>	Phyllanthaceae	fruits	Uttarakhand	40
1226	<i>Plantago ovate</i> Forssk.	<i>Ashwagola</i>	Plantaginaceae	seeds and seed husk	Uttarakhand	40
1227	<i>Rheum australe</i> D. Don	<i>Amlaparni</i>	Polygonaceae	underground parts	Uttarakhand	40
1228	<i>Rubia cordifolia</i> L.	<i>Aruna</i>	Rubiaceae	roots	Uttarakhand	40
1229	<i>Rubus ellipticus</i> Sm	<i>Golden/yellow Himalayan raspberry</i>	Rosaceae	fruits and roots	Uttarakhand	40
1230	<i>Sinopodophyllum hexandrum</i> (Royle) T.S.Ying	<i>Himalayan mayapple</i>	Berberidaceae	root	Uttarakhand	40
1231	<i>Solanum virginianum</i> L.	<i>Kantakari</i>	Solanaceae	whole plant	Uttarakhand	40
1232	<i>Stephania glabra</i> (Roxb.) Miers	<i>Purha</i>	Menispermaceae	whole plant	Uttarakhand	40
1233	<i>Taxus baccata</i> L.	<i>Manduparni</i>	Taxaceae	bark and seed	Uttarakhand	40
1234	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	<i>Bibhitaki, Baheda</i>	Combretaceae	fruits and bark	Uttarakhand	40
1235	<i>Terminalia chebula</i> Retz	<i>Haritaki</i>	Polygonaceae	fruits and bark	Uttarakhand	40
1236	<i>Tinospora sinensis</i> (Lour.) Merr.	<i>Guduchi</i>	Menispermaceae	whole plant	Uttarakhand	40

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1237	<i>Trigonella foenum-graecum</i> L.	<i>Methika</i>	Leguminosae	whole plant	Uttarakhand	40
1238	<i>Urtica dioica</i> L.	<i>Vrscikali</i>	Urticaceae	whole plant	Uttarakhand	40
1239	<i>Vitex negundo</i> L.	<i>Nirgundi</i>	Lamiaceae	whole plant	Uttarakhand	40
1240	<i>Zanthoxylum armatum</i> DC.	<i>Tejohva/Tejovati</i>	Rutaceae	bark fruit and root	Uttarakhand	40
1241	<i>Zingiber officinale</i>	<i>Ardarka</i>	Zingiberaceae	rhizome	Uttarakhand	40
Uttar Pradesh						
1242	<i>Abelmoschus esculentus</i> (L.) Moench	<i>Bhindi</i>	Malvaceae	Fruit	Uttar Pradesh	41
1243	<i>Acacia catechu</i> (L.f.) Wild.	<i>Babool kattha</i>	Leguminosae	Bark	Uttar Pradesh	41
1244	<i>Aegle marmelos</i> (L.) Correa	<i>Bael</i>	Rutaceae	Leaf	Uttar Pradesh	41
1245	<i>Allium cepa</i> L.	<i>Pyaz</i>	Amaryllidaceae	Leaf, bulb	Uttar Pradesh	41
1246	<i>Allium sativum</i> L.	<i>Lehsun</i>	Amaryllidaceae	Leaf, bulb	Uttar Pradesh	41
1247	<i>Aloe vera</i> (L.) Burm.f	<i>Aloe</i>	Liliaceae	Leaf	Uttar Pradesh	41
1248	<i>Annona squamosa</i> L.	<i>Sharifa</i>	Annonaceae	Seed, leaf, fruit	Uttar Pradesh	41
1249	<i>Artemisia herba-alba</i> Asso	<i>White wormwood</i>	Compositae	Leaf, bark	Uttar Pradesh	41
1250	<i>Azadirachta indica</i> A.Juss.	<i>Neem</i>	Meliaceae	Leaf, bark	Uttar Pradesh	41
1251	<i>Boerhavia diffusa</i> L.	<i>Punarnava</i>	Nyctaginaceae	Leaf, stem, fruit	Uttar Pradesh	41
1252	<i>Brassica juncea</i> (L.) Czern	<i>kali sarso</i>	Brassicaceae	Seed	Uttar Pradesh	41
1253	<i>Cajanus cajan</i> (L.) Millsp.	<i>Arhar</i>	Leguminosae	Seed	Uttar Pradesh	41
1254	<i>Carica papaya</i> L.	<i>Papita</i>	Cariaceae	Fruit, leaf	Uttar Pradesh	41
1255	<i>Cassia fistula</i> L.	<i>Amultas</i>	Leguminosae	Seed, bark	Uttar Pradesh	41
1256	<i>Catharanthus roseus</i> (L.) G. Don	<i>Sadabahar</i>	Apocynaceae	Flower	Uttar Pradesh	41
1257	<i>Coccinia indica</i> Wight and Arn.	<i>Kundaru</i>	Cucurbitaceae	Leaf, fruit	Uttar Pradesh	41
1258	<i>Cynodon dactylon</i> (L.) Pers.	<i>Doob</i>	Poaceae	Whole plant	Uttar Pradesh	41
1259	<i>Euphorbia hirta</i> L.	<i>DudhiKaitha</i>	Euphorbiaceae	Whole plant	Uttar Pradesh	41
1260	<i>Feronia elephantum</i> Correa	<i>Kaitha</i>	Rutaceae	Fruit	Uttar Pradesh	41
1261	<i>Ficus benghalensis</i> L.	<i>Bargad</i>	Moraceae	Fruit, bark	Uttar Pradesh	41
1262	<i>Ficus religiosa</i> L.	<i>Peepal</i>	Moraceae	Bark	Uttar Pradesh	41
1263	<i>Gymnema sylvestre</i>	<i>Gurmaar</i>	Apocynaceae	Leaf	Uttar Pradesh	41
1264	<i>Hibiscus rosa-sinensis</i> L.	<i>Gurhal</i>	Malvaceae	Leaf	Uttar Pradesh	41
1265	<i>Lablab purpureus</i> (L.) Sweet	<i>Sem</i>	Leguminosae	Seed	Uttar Pradesh	41
1266	<i>Lantana camara</i> L.	<i>Raimuniya</i>	Verbenaceae	Leaf, fruit	Uttar Pradesh	41

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1267	<i>Mangifera indica</i> L.	Aam	Anacardiaceae	Seed	Uttar Pradesh	41
1268	<i>Momordica charantia</i> L.	Karela	Cucurbitaceae	Whole plant	Uttar Pradesh	41
1269	<i>Murraya koenigii</i> (L.) Spreng.	Kadi patta	Rutaceae	Leaf	Uttar Pradesh	41
1270	<i>Ocimum sanctum</i> L.	Tulsi	Lamiaceae	Leaf	Uttar Pradesh	41
1271	<i>Phyllanthus emblica</i> L.	Amala	Phyllanthaceae	Fruit, seed	Uttar Pradesh	41
1272	<i>Punica granatum</i> L.	Anaar	Lythraceae	Fruit	Uttar Pradesh	41
1273	<i>Syzygium cumini</i> (L.) Skeels	Jamun	Myrtaceae	Seed, fruit	Uttar Pradesh	41
1274	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Piliya	Bignoniaceae	Leaf	Uttar Pradesh	41
1275	<i>Tinospora cordifolia</i> (Willd.) Miers	Guduchi	Menispermaceae	Whole plant	Uttar Pradesh	41
1276	<i>Trigonella foenum-graceum</i> L.	Methi	Leguminosae	Seed	Uttar Pradesh	41
West Bengal						
1277	<i>Abelmoschus esculentus</i> (L.)	Dheros	Malvaceae	Young fresh fruit	West Bengal	42
1278	<i>Acacia catechu</i> (L. f.) Willd.	Khair	Mimosaceae	leaf	West Bengal	42
1279	<i>Aegle marmelos</i> (L.) Correa	Bel	Rutaceae	Young leaves	West Bengal	42
1280	<i>Alpinia calcarata</i> Rose.	Kangu	Zingiberaceae	rhizome	West Bengal	42
1281	<i>Argyrea nervosa</i> (Burm. f.) Bojer.	Patkalata	Convolvulaceae	root	West Bengal	42
1282	<i>Azadirachta indica</i>	Neem	Meliaceae	leaves	West Bengal	42
1283	<i>Butea monosperma</i> (Lam.) Taub.	Palash	Fabaceae	Young tender leaves	West Bengal	42
1284	<i>Cassia fistula</i> L.	Banarlathi	Caesalpiniaceae	ripe fruits	West Bengal	42
1285	<i>Catharanthes roseus</i> L.	Nayantara	Apocynaceae	Young leaves	West Bengal	42
1286	<i>Ficus benghalensis</i>	Bot	Moraceae	young aerial prop roots	West Bengal	42
1287	<i>Garuga pinna</i> Roxb.	Kakdana	Burseraceae	bark	West Bengal	42
1288	<i>Gymnema sylvestris</i> (Retz.) R. Br. ex-Schultz.	Bukhni	Asclepiadaceae	Fresh leaves	West Bengal	42
1289	<i>Ipomoea mauritiana</i>	Bhuikumra	Convolvulaceae	underground stem	West Bengal	42
1290	<i>Kydia calycina</i> Roxb.	Barang	Malvaceae	bark powder	West Bengal	42
1291	<i>Madhuca longifolia</i>	Mahul	Sapotaceae	Fresh flowers	West Bengal	42
1292	<i>Momordica charantia</i> L.	Karela	Cucurbitaceae	Fresh unripe fruits	West Bengal	42
1293	<i>Moringa oleifera</i> Lam.	Sagina	Moringaceae	Fresh leaves	West Bengal	42
1294	<i>Musa bulbisiana</i> Colla	Kala	Musaceae	Flowers	West Bengal	42
1295	<i>Phyllanthus emblica</i> L.	Amla	Euphorbiaceae	Unripe fruits	West Bengal	42

Table 1. Continued...

Sl. No.	Scientific Name	Local Name	Family	Parts used	Geographical Location	References
1296	<i>Pterocarpus marsupium</i> Roxb.	<i>Bijasal</i>	Fabaceae	Stem bark	West Bengal	42
1297	<i>Shorea robusta</i> Roxb.	<i>Sal</i>	Dipterocarpaceae	Tender leaves	West Bengal	42
1298	<i>Smilax zeylanica</i> L.	<i>Ram-datan</i>	Liliaceae	Fresh leaf and stem juice	West Bengal	42
1299	<i>Solena amplexicaules</i> (Lam.)	<i>Bankumri</i>	Cucurbitaceae	Tender leaves	West Bengal	42
1300	<i>Symplocos racemose</i> Roxb.	<i>Ratangur</i>	Symplocaceae	seed	West Bengal	42
1301	<i>Syzygium jambos</i> (L) Alston	<i>Kaloram</i>	Myrtaceae	seed	West Bengal	42
1302	<i>Terminalia catappa</i> L.	<i>Kath-badam</i>	Combrataceae	fruits	West Bengal	42
1303	<i>Tinospora cordifolia</i>	<i>Gulanchar</i>	Menispermaceae	root	West Bengal	42
1304	<i>Trigonella corniculata</i> (L.)	<i>Methi</i>	Fabaceae	seed	West Bengal	42
1305	<i>Wrightia tomentosa</i>	<i>Daira</i>	Apocynaceae	stem bark	West Bengal	42

3. Result and Discussion

India is situated in the northern hemisphere between 8° 4' and 37° 6' latitude north of the Equator and 68° 7' and 97° 25' longitude east of it. The country's total land area is approximately 3.29 million square kilometres, and its coastline extends for about 7,500 kilometres. According to the India State of Forest Report 2021, the forest cover of India constitutes 24.56% of its total geographical area, which amounts to 7,124,807 hectares⁴³. India is home to a significant proportion of global species, with around 20% of the world's plant species found in the country. The tropical regions of India, particularly the forests in the Western and Eastern Ghats, the Vindhya, Chhota Nagpur Plateau, Aravalli, and Himalayas⁴⁴ harbour about 70% of the country's medicinal plants. The temperate and alpine regions, which are located at higher altitudes, have less than 30% of the medicinal plants, which are of high medicinal value⁴⁵.

The use of traditional remedies, particularly plants, has been a crucial aspect of healthcare in India for centuries. With the prevalence of diabetes on the rise, there has been a growing interest in exploring the anti-diabetic potential of ethno-indigenous plants in India⁴⁶. In this study, we aimed to compile a database of ethno-indigenous plants in India with anti-diabetic activity. Our search strategy included a comprehensive

literature review of studies conducted in India and published in English, Hindi, and other regional languages. We included studies that reported the anti-diabetic activity of ethno-indigenous plants, as well as those that documented the traditional use of plants for diabetes. Through this process, we identified 1305 ethno-indigenous plants with anti-diabetic activity, belonging to 162 plant families⁴⁷ (Table 1; Figures 1-2). Our findings suggest that these plants possess a wide range of mechanisms for their anti-diabetic activity, including the stimulation of insulin secretion, inhibition of glucose absorption, and modulation of lipid metabolism⁴⁸. Several of these plants have also been found to possess antioxidant, anti-inflammatory, and hepatoprotective properties, which may further contribute to their anti-diabetic effects⁴⁹. While the potential of ethno-indigenous plants as alternative treatments for diabetes is promising, there are some limitations to this study. The database is limited to studies conducted in India and published in select languages, which may not represent the full spectrum of anti-diabetic plants used in traditional medicine⁵⁰. Future research should focus on exploring the efficacy of these plants *in vivo* and clinical trials. Furthermore, efforts should be made to document the traditional knowledge and uses of these plants, particularly among indigenous communities, and to validate their traditional knowledge through scientific studies.

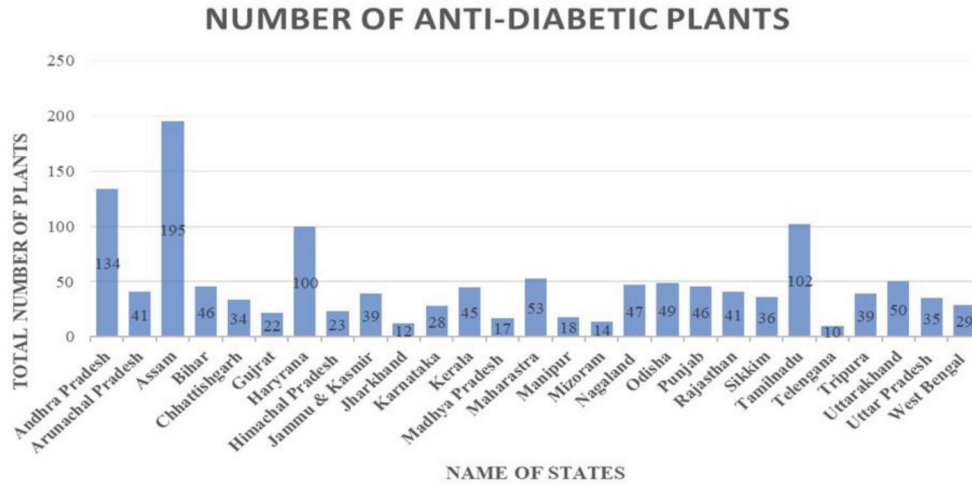


Figure 1. It shows the number of anti-diabetic plants present in India.

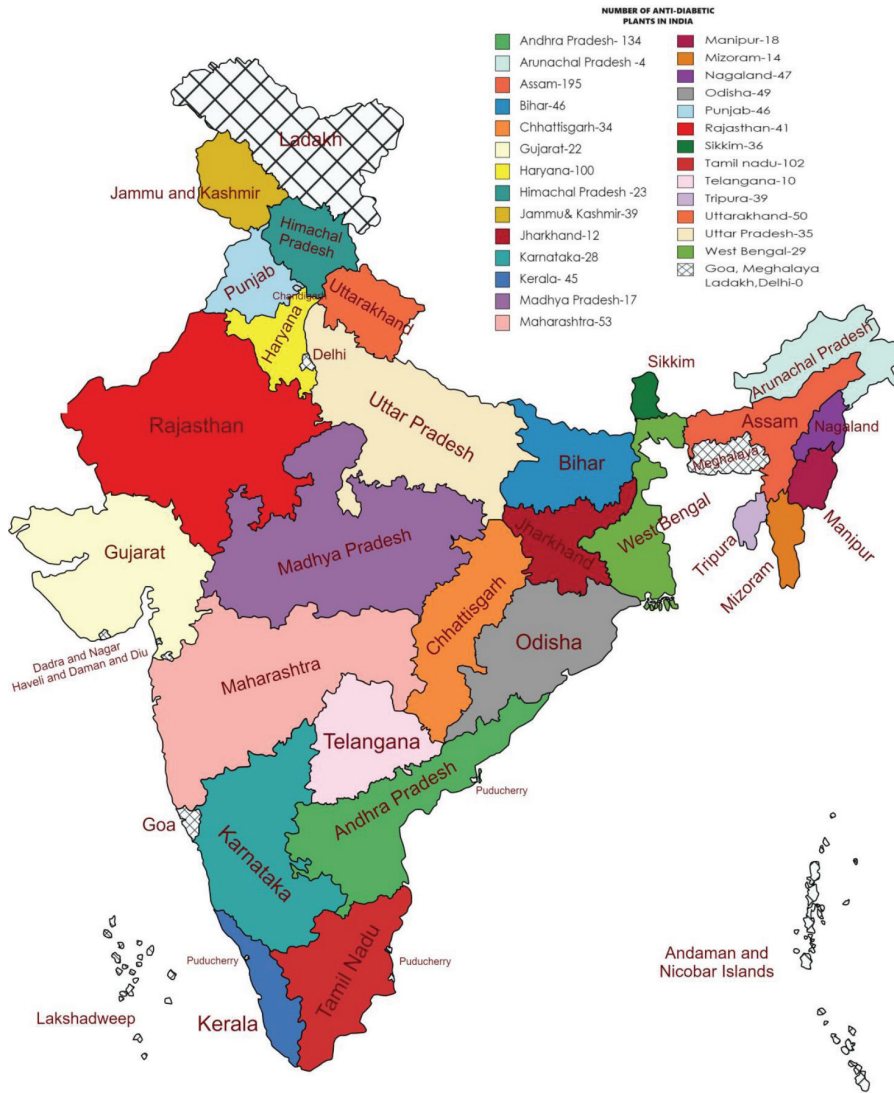


Figure 2. Different states of India which is enriched with herbal remedies for diabetes^(1,11,16-42).

4. Conclusion

In conclusion, the ethno anti-diabetic plant database of India is an important resource for researchers and healthcare professionals in the field of diabetes. This database provides valuable information about traditional Indian medicinal plants that have been used for centuries to treat diabetes and related conditions. The database includes detailed information about the plants, and their traditional uses, making it an essential tool for the development of new anti-diabetic drugs. Furthermore, this database highlights the importance of preserving traditional knowledge about medicinal plants and their uses, as many of these plants have been used by indigenous communities for generations. By studying and documenting traditional knowledge, we can learn from the wisdom of the past and apply it to modern medicine. Overall, the ethno anti-diabetic plant database of India is an important contribution to the field of traditional medicine and diabetes research. It provides a valuable resource for researchers and healthcare professionals, while also promoting the preservation of traditional knowledge and the importance of sustainable practices for the conservation of medicinal plants.

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6. References

1. Nepal A, Chakraborty M. An overview on medicinal plants of Sikkim Himalayas region with emphasis on antidiabetics: A review. *Journal of Pharmacognosy and Phytochemistry*. 2021; 10(4):215-7. <https://doi.org/10.22271/phyto.2021.v10.i4c.14148>
2. Ismail L, Materwala H, Al Kaabi J. Association of risk factors with type 2 diabetes: A systematic review. *Computational and Structural Biotechnology Journal*. 2021; 19:1759-85. <https://doi.org/10.1016/j.csbj.2021.03.003>
3. Zimmet PZ, Magliano DJ, Herman WH, Shaw JE. Diabetes: a 21st century challenge. *The Lancet Diabetes and Endocrinology*. 2014; 2(1):56-64. [https://doi.org/10.1016/S2213-8587\(13\)70112-8](https://doi.org/10.1016/S2213-8587(13)70112-8)
4. Lorenzati B, Zucco C, Miglietta S, Lamberti F, Bruno G. Oral hypoglycemic drugs: pathophysiological basis of their mechanism of action. *Pharmaceuticals*. 2010; 3(9):3005-20. <https://doi.org/10.3390/ph3093005>
5. Kumar R, Arora V, Ram V, Bhandari A, Vyas P. Hypoglycemic and hypolipidemic effect of Allopolyherbal formulations in streptozotocin induced diabetes mellitus in rats. *International Journal of Diabetes Mellitus*. 2015; 3(1):45-50. <https://doi.org/10.1016/j.ijdm.2011.01.005>
6. Laville M, Andreelli F. Mechanisms for weight gain during blood glucose normalization. *Diabetes and Metabolism*. 2000; 26:42-5.
7. Iwaki M, Matsuda M, Maeda N, Funahashi T, Matsuzawa Y, Makishima M, Shimomura I. Induction of adiponectin, a fat-derived antidiabetic and antiatherogenic factor, by nuclear receptors. *Diabetes*. 2003; 52(7):1655-63. <https://doi.org/10.2337/diabetes.52.7.1655>
8. Turmelle YP, Shikapwashya O, Tu S, Hruz PW, Yan Q, Rudnick DA, Turmelle YP, Shikapwashya O, Tu S, Hruz PW, Yan Q. Rosiglitazone inhibits mouse liver regeneration. *The FASEB Journal*. 2006; 20(14):2609-11. <https://doi.org/10.1096/fj.06-6511fj>
9. de Souza CJ, Eckhardt M, Gagen K, Dong M, Chen W, Laurent D, Burkey BF. Effects of pioglitazone on adipose tissue remodeling within the setting of obesity and insulin resistance. *Diabetes*. 2001; 50(8):1863-71. <https://doi.org/10.2337/diabetes.50.8.1863>
10. Rzonca SO, Suva LJ, Gaddy D, Montague DC, Lecka-Czernik B. Bone is a target for the antidiabetic compound rosiglitazone. *Endocrinology*. 2004; 145(1):401-6. <https://doi.org/10.1210/en.2003-0746>
11. Tarafdar RG, Nath S, Talukdar AD, Choudhury MD. Antidiabetic plants used among the ethnic communities of Unakoti district of Tripura, India. *Journal of Ethnopharmacology*. 2015; 160:219-26. <https://doi.org/10.1016/j.jep.2014.11.019>
12. Scartezzini P, Speroni E. Review on some plants of Indian traditional medicine with antioxidant activity. *Journal of Ethnopharmacology*. 2000; 71(1-2):23-43. [https://doi.org/10.1016/S0378-8741\(00\)00213-0](https://doi.org/10.1016/S0378-8741(00)00213-0)

13. Singh KK, Parmar S, Tatke PA. Contraceptive efficacy and safety of HerbOshield™ vaginal gel in rats. *Contraception*. 2012; 85(1):122-7. <https://doi.org/10.1016/j.contraception.2011.04.013>
14. Yuan H, Ma Q, Ye L, Piao G. The traditional medicine and modern medicine from natural product. *Molecules*. 2016; 21:559. <https://doi.org/10.3390/molecules21050559>
15. Modak M, Dixit P, Londhe J, Ghaskadbi S, Devasagayam TP. Indian herbs and herbal drugs used for the treatment of diabetes. *Journal of Clinical Biochemistry and Nutrition*. 2007; 40(3):163-73. <https://doi.org/10.3164/jcfn.40.163>
16. Divya K, Mary NR, Padal SB. Ethno-medicinal plants used in east Godavari district, Andhra Pradesh, India. *Int J Pharmacol Res*. 2015; 5(11):293-300.
17. Tag H, Kalita P, Dwivedi P, Das AK, Namsa ND. Herbal medicines used in the treatment of diabetes mellitus in Arunachal Himalaya, northeast, India. *Journal of Ethnopharmacology*. 2012; 141(3):786-95. <https://doi.org/10.1016/j.jep.2012.03.007>
18. Sarmah PC. Ethnoantidiabetic plants of Assam. *International Journal of Applied Biology and Pharmaceutical Technology*. 2011; 2(4):246-51.
19. Kumar S, Devi D, Kushari S, Gam S, Sarma H: A review on ethnomedicinal plants of Assam (India) used in the treatment of diabetes mellitus. *Int J Pharm Sci and Res*. 2021; 12(6):3042-50. [https://doi.org/10.13040/IJPSR.0975-8232.12\(6\).3042-50](https://doi.org/10.13040/IJPSR.0975-8232.12(6).3042-50)
20. Jha SK, Singh U. Ethnobotanical Survey of antidiabetic medicinal plants of Madhubani (Bihar). *NeBIO*. 2013; 4:30-2.
21. Beck NR, Samal P. Traditional medicinal plants used by the tribes and rural people of Bilaspur district, Chhattisgarh (India). *Research Journal of Pharmacy and Technology*. 2012; 5(10):1281-2.
22. Makwana AR, Sameja KD, Rao SK. A review on medicinal plants of Gujarat with anti-diabetic potential. *International Journal of Pharmacognosy and Phytochemical Research*. 2016; 8(1):167-73.
23. Singh R, Upadhyay SK, Rani AN, Kumar PE, Sharma PO, Sharma IN, Singh CH, Chauhan NE, Kumar MA. Ethnobotanical study of weed flora at district Ambala, Haryana, India: comprehensive medicinal and pharmacological aspects of plant resources. *International Journal of Pharmaceutical Research*. 2020; 12(1):1941-56. <https://doi.org/10.31838/ijpr/2020.SP1.223>
24. Gupta P, Chanjta A, Mehta Y. Ethnobotanical survey on the plants used by traditional health practitioners in the management of diabetes mellitus in Himachal Himalaya. *Journal of Research in Traditional Medicine*. 2021; 7(1):8. <https://doi.org/10.5455/jrtm.2021/81676>
25. Shafi S, Tabassum N. Survey on anti-diabetic plants in Kashmir [India]. *Journal of Advanced Pharmacy Education and Research* Oct-Dec. 2013; 3(4):306-18.
26. Fatma F, Kumar A. Anti-diabetic medicinal plants used by indigenous people of Ranchi district of Jharkhand, India. *European Journal of Pharmaceutical and Medical Research*. 2020; 7(3):490-2.
27. Vidyasagar GM, Siddalinga Murthy S. Medicinal plants used in the treatment of diabetes mellitus in Bellary district, Karnataka. *Indian Journal of Traditional Knowledge*. 2013; 12(4):747-51.
28. Jayakumar G, Ajithabai MD, Sreedevi S, Viswanathan PK, Remeshkumar B. Ethnobotanical survey of the plants used in the treatment of diabetes. *Indian Journal of Traditional Knowledge*. 2010; 9(1):100-4.
29. Rai R. Ethnobotanical studies on plants used in folk medicines in cure of diabetes in Gondwana Region of Madhya Pradesh. *Asian Journal of Pharmaceutical Research*. 2016; 6(2):72-8. <https://doi.org/10.5958/2231-5691.2016.00013.7>
30. Dixit S, Tiwari S. Review on plants for management of diabetes in India: An ethno-botanical and pharmacological perspective. *Pharmacognosy Journal. EManuscript Technologies*. 2020. <https://doi.org/10.5530/pj.2020.12.243>
31. Charjan AP, Dabhadkar DK. Ethnomedicinal Documentation of Some Antidiabetic Plants used by Tribal's of Amravati District, Maharashtra. In *Biological Forum—An International Journal*. 2014; 6(2):546-9.
32. Ryakala VK, Ali SS, Sharanabasava H, Hasin N, Sharma P, Bora U. Ethnobotany of plants used to cure diabetes by the people of northeast India. *Medicinal and Aromatic Plant Science and Biotechnology*. 2010; 4(1):64-8.
33. Deb CR, Sharma TI. Ethnomedicinal plants with anti-diabetic property used by tribes of Nagaland, India: A review. *Journal of Pharmacognosy and Phytochemistry*. 2021; 10(6):216-9.
34. Pramathesh Mishra NT, Mishra MK, Mohapatra L. Indigenous Plants of Odisha having Anti-Diabetic Activity: A Database Crimson Publishers. 2021; 5:435-42. <https://doi.org/10.31031/IOD.2021.05.000609>
35. Gupta S, Sidhu MC, Ahluwalia AS. Plant-based remedies for the management of diabetes. *Current Botany*. 2017; 8:34-40. <https://doi.org/10.19071/cb.2017.v8.3169>
36. Shah H, Lohar M, Arora A, Kapoor C. Study of ethno hypoglycemic food plants used by tribal's of Southern Rajasthan (India). *J Pharmacogn Phytochem*. 2019; 8(3):4450-2.
37. Kumeshini S, Kumar G, Kumar P, Banu GS. Ethnobotanical survey of antidiabetic medicinal plants used by the native people of Palayapalayam, Namakka I District, Tamilnadu, India. *Inter J Pharma Sci Res*. 2013; 1(5):448-55.
38. Makheswari U, Sudarsanam D. Traditional ethno-medicinal plants used for the treatment of diabetes in coimbatore district, Tamilnadu, India. *Life Sciences Leaflets*. 2012; 30:18.

39. Prakash RD, ethno medicinal plants used for diabetes by the tribes of ettur nagaram wildlife sanctuary, Telangana State, India. *Global Journal for Research Analysis*. 2018; 7(9).
40. Kumar A, Aswal S, Chauhan A, Semwal RB, Kumar A, Semwal DK. Ethnomedicinal investigation of medicinal plants of Chakrata region (Uttarakhand) used in the traditional medicine for diabetes by Jaunsari tribe. *Natural Products and Bioprospecting*. 2019; 9:175-200. <https://doi.org/10.1007/s13659-019-0202-5>
41. Dixit S, Tiwari S. Review on plants for management of diabetes in India: An ethno-botanical and pharmacological perspective. *Pharmacognosy Journal. EManuscript Technologies*. 2020. <https://doi.org/10.5530/pj.2020.12.243>
42. Mitra S, Mukherjee SK. Plants used for the treatment of diabetes in West Bengal, India. *J Trop Med Plants*. 2011; 12(1):99-105.
43. <https://www.fsi.nic.in/isfr-2019/>
44. Singh A, Singh BN, Singh SP, Chaudhary A, Sarma BK. Sustainable use of medicinal plant biodiversity for poverty alleviation. In *National Conference on Biodiversity, Development and Poverty Alleviation, Uttar Pradesh State Biodiversity Board*; 2010.
45. Singh S, Kumar S. Medicinal Plant Sector in India: Status and Sustainability. *International Journal of Economic Plants*. 2021; 8(2):81-5. <https://doi.org/10.21276/ijirem.2021.8.4.7>
46. Patel DK, Prasad SK, Kumar R, Hemalatha S. An overview on antidiabetic medicinal plants having insulin mimetic property. *Asian Pacific Journal of Tropical Biomedicine*. 2012; 2(4):320-30. [https://doi.org/10.1016/S2221-1691\(12\)60032-X](https://doi.org/10.1016/S2221-1691(12)60032-X)
47. Gupta M, Sharma PK. A review on ethnobotanical and phytopharmacological investigations on *Gymnema sylvestre*. *World Journal of Pharmacy and Pharmaceutical Sciences*. 2019; 8(2):1562-81. <https://doi.org/10.20959/wjpps20192-13663>
48. Grover J, Yadav S, Vats V. Medicinal plants of India with anti-diabetic potential. *Journal of Ethnopharmacology*. 2002; 81(1):81-100. [https://doi.org/10.1016/S0378-8741\(02\)00059-4](https://doi.org/10.1016/S0378-8741(02)00059-4)
49. Singh AK, Raj V, Keshari AK. Antioxidant and anti-diabetic potential of medicinal plants: A comprehensive review. *Journal of Pharmacy and Pharmacology*. 2020; 8(1):6-12. <https://doi.org/10.11648/j.ajls.20200901.11>
50. Phan NM, Nguyen TP, Le TD, Mai TC, Phong MT, Mai DT. Two new flavonol glycosides from the leaves of *Cleome viscosa* L. *Phytochemistry Letters*. 2016; 18:10-3. <https://doi.org/10.1016/j.phytol.2016.08.020>