**Table 1:** NTFP related studies in different ethnic communities in corresponding area of Arunachal Pradesh.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SN** | **Tribes/ sub-tribes** | **Study area / District** | **Studied aspects** | **References** |
| 1 | *Apatani* | Lower Subansiri92o40' - 94o21' E and 26o55’ - 28o21' N | Medicinal plants | [33] |
| Ethnobotany (dye plants) | [84] |
| Food plants | [25] |
| Indigenous biodiversity | [23] |
| Ethnomedicine | [8] |
| Traditional NTFP | [19] |
| Ethnomedicine | [15] |
| Plants of festivals and rituals | [11] |
| Ethnomedicine | [26] |
| Ethnomedicine | [22] |
| Conservation aspects | [56] |
| Marketing mechanism | [31] |
| 2 | *Tagin* | Upper Subansiri27°45" - 28°13"N and 93°13" - 94°36"E | Traditional health care | [30] |
| Ethnomedicine | [12] |
| 3 | *Hill Miri* | Upper Subansiri | Ethnomedicine | [12] |
| Upper and Lower Subansiri | Ethnobotany | [2] |
| Ethnofishery | [3] |
| 4 | *Galo* | Upper Subansiri | Ethnomedicine | [12] |
| West Siang94o00’ - 95o00’E and 28o15’ - 29o15’ N | Agroecology of food and medicine | [61] |
| Ethnomedicine | [9] |
| 5 | *Nyishi* | ----- | Ethnobotany (dye plants) | [84] |
| ----- | Food plants | [25] |
| ----- | Ethnobotany | [14] |
| East Kameng92° 36" - 93° 24" E and 26° 56" - 27° 59" N | Ethnomedicine | [17] |
| ----- | Ethnomedicine | [15] |
| Papum Pare26o55’ - 28o40’N and 92o40’ - 94o21’ E | Agroforestry | [85] |
| Ethnobotany | [86] |
| Traditional medicinal plants | [21] |
| ----- | Ethnomedicine | [8] |
| 6 | *Aka* | East Kameng and West Kameng | Ethnovegetables | [87] |
| ----- | Food plants | [25] |
| West Kameng26o54’- 28o01’ N and 91o30’ - 92o40’ E | Ethnomedicine | [88] |
| [29] |
| 7 | *Monpa* | ----- | Ethnobotany (dye plants) | [84] |
| ----- | Food plants | [25] |
| West Kameng | Ethnomedicine | [88] |
| Ethnobotany | [35] |
| West Kameng and Tawang | Ethnomedicine | [8] |
| West Kameng and Tawang | Medicinal plants | [34] |
| ----- | Ethnomedicine | [15] |
| Tawang27° 25΄- 27° 52 N and 91° 16΄ - 91° 59΄E | Ethnoparmacology | [27] |
| 8 | *Adi* | Siang region | Ethnomedicine | [10] |
| ----- | Food plants | [25] |
| ----- | Ethnobotany | [39] |
| ----- | Ethnomedicine | [15] |
| Lower Dibang Valley28o 22’ - 29o 27’ N and 95o 15’ - 96o 35’E | Ethnomedicine | [18] |
| Traditional medicinal plants | [21] |
| East Siang27o 18’ to 29o25’ N and 94o 25’ to 95o 21’ E | Vegetable plants | [54] |
| Dehang-Debang | Ethnomedicine | [32] |
| 9 | *Padam* (*Adi*) | ----- | Ethnomedicine | [8] |
| 10 | *Khampati* | Lohit27o 33’ - 29o 22’ N and 95o 15’ - 97o 24’ E | Traditional herbal plants | [38] |
| 11 | *Nocte* | Tirap26o 38’ - 27o 47’ N and 96o 16’ and 95o 40’ E | Traditional medicinal plants | [21] |
| 12 | *Lisu* | Changlang26°40' - 27°40'N and 95°11' - 97°11'E | Traditional NTFP | [37] |
| 13 | *Tangsa* | ----- | Ethnobotany (dye plants) | [84] |
| ----- | Food plants | [25] |
| Changlang | Ethnomedicine | [8] |
| 14 | *Idu* | ----- | Ethnomedicine | [8] |
| 15 | *Idu Mishmi* | ----- | Food plants | [25] |
| ----- | Ethnomedicine | [15] |
| 16 | *Singpho* | ----- | Ethnomedicine | [8] |
| ----- | Food plants | [25] |
| 17 | *Wancho* | Tirap | Ethnomedicine | [89] |
| 18 | *Memba* | Dehang-Debang Biosphere Reserve | Ethnobotany | [36] |

**Table 2a:** Flowering plants used as NTFP are arranged family wise as per APG III system [114]. First family appears in the beginning while last in the end. Column I (family, scientific name, use and reference) continues to column II.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Family** | **Scientific name** | **Use** | **Reference** | **Family** | **Scientific name** | **Use** | **References** |
| Schisandraceae | *Illicium griffithii* Hook.f. & Thoms. | Medicine, Others (Spice) | [20,28,34] | Fabaceae | *Desmodium microphyllum* (Thunb.) DC. | Others (Beverage) | [20] |
| Chloranthaceae | *Chloranthus glaber* (Thumb.) Makino | Fruits | [24] | *Entada purseatha* D.C. | Medicine | [20,23,84] |
| Aristolochiaceae | *Aristolochia griffithii* Hook.f. | Medicine | [27] | *Entada rheedii* Spreng. | Medicine | [9] |
| *Aristolochia indica* L. | Medicine | [7] | *Entada scandens* Benth. | Others (Rituals) | [36] |
| *Aristolochia sp.* | Medicine | [32] | *Erythrina arborescens* Roxb. | Others (Fence) | [20] |
| Piperaceae | *Piper attenuatum* Buch.-Ham. ex Miq. | Medicine | [10] | *Indigofera stachyodes* Lindl. | Medicine | [20] |
| *Piper betle* Linn. | Medicine, Others (Masticatory) | [12,21,35,36] | Polygalaceae | *Polygala arillata* Buch-Ham. Ex D.Don | Others (Local drink) | [20] |
| *Piper betleoides* C. DC. | Medicine | [20,25] | Betulaceae | *Alnus nepalensis* D. Don | Medicine, Shelter, Energy | [2,19-21] |
| *Piper brachystachyum* Wall. | Medicine | [8,33] | *Betula alnoides* Buch-Ham ex D Don. | Medicine | [20] |
| *Piper hamiltonii* C. DC. | Medicine, Vegetables | [19] | Fagaceae | *Castanopsis hystrix* Hooker f. & Thomson ex A. DC. | Fruits, Energy | [19,25,31] |
| *Piper longum* L. | Medicine | [21,30,36] | *Castanopsis lancifolia* (Roxb.) Hockel & A. Camus. | Fruits | [24] |
| *Piper mullesua* Ham. ex D. Don | Medicine, Vegetables, Others (Oil) | [8,9,28,36] | *Castanopsis tribuloides* (Smith) A. de Candolle | Medicine, Fruits, Shelter, Energy | [19,20,24,33] |
| *Piper nepalens* L. | Vegetables | [36] | *Lithocarpus dealbatus* (Miq.) Rehder | Medicine | [33] |
| *Piper nigrum* L. | Medicine, Others (Spice) | [8,12,30] | *Lithocarpus fenenstratus* (Roxb.) Rehder | Fruits | [20] |
| *Piper pedicellatum* C. DC. | Vegetables, Medicine | [9,17,19,20,24,25,31,37,54] | *Lithocarpus listeri* (king ex Hk.f. ) Grierson & D.G. Long | Fruits | [20] |
| *Piper sylvaticum* Roxb. | Vegetables, Others (Spice) | [20,25] | *Lithocarpus pachyphyllus* (Kurz) Rehder | Fruits | [20] |
| *Piper trioicum* Roxb. | Medicine | [23,33] | *Quercus dealbata* Hook. f. | Shelter | [23,31] |
| Saururaceae | *Houttunyia cordata* Thunb. | Medicine, Vegetables | [8,9,12,17,19-23, 25-28,31-33,35,37,54,87] | *Quercus griffithii* J. D. Hooker & Thomson ex Miquel | Fruits, Shelter, Energy | [19,20,24,31] |
| *Saurauia armata* Kurz. | Fruits | [24] | *Quercus lamellosa* Smith. | Fruits, Energy | [20,24] |
| *Saurauia napaulensis* DC. | Medicine, Fruits | [17,20,25] | Quercus lanata Sm. | Energy | [20] |
| Saurauia punduana Wall. | Fruits | [20] | *Quercus semecarpifolia* Smith | Fruits | [19,20] |
| *Saurauria roxburghii* Wall. | Fruits, Medicine, Others (Local drink) | [23,33] | *Quercus serrata* Thunb. | Medicine | [15] |
| Lauraceae | *Cinnamomum zeylanicum* Bl. | Medicine, Others (Spice) | [12,32,36] | *Castanopsis indica* (Roxb. Ex Lindl.) A. DC | Fruits, Energy, Others (Fish poison, Tool) | [19,20,24,25,35,36,37] |
| *Lindera neesiana* (Wall. ex Nees) Kurz. | Medicine | [20,35] | Juglandaceae | *Engelhardtia spicata* Lesch. ex.Bl. | Others (Dye) | [20,84] |
| *Litsea citrata* Blume | Fruits, Vegetables, Others (Spice) | [20,23,31,39] | *Juglans regia* Linn. | Medicine, Fruits, Others (Dye) | [12,20,34] |
| *Litsea cubeba* (Lour.) Pers. | Medicine, Vegetables, Fruits | [9,12,15,19,21-23,31,33,35,39] | Myricaceae | *Myrica esculenta* Buchanan- Hamilton ex D. Don | Fruits, Medicine | [19,20,23,25,31,33] |
| *Litsea monopetala* (Roxb.) Pers. | Medicine | [15] | Cannabaceae | *Cannabis sativa* L. | Medicine, Others (Veterinary) | [8,20,21,34,35,36] |
| *Litsea polyantha* Juss. | Medicine | [21,89] | Elaeagnaceae | *Elaeagnus caudata* Sch. ex Momiyama | Medicine | [33] |
| *Litsea salicifolia* (Roxb. ex Nees) Hk.f. | Fruits, Medicine | [24,33] | *Elaeagnus pyriformis* Hk. f. | Fruits, Medicine | [20,33] |
| *Litsea sebifera* Pers. | Medicine | [20] | *Elaeagnus latifolia* Linn. | Fruits | [23,24,25,31] |
| *Persea fructifera* Kost. | Fruits | [24] | *Elaeagnus parvifolia* Wall. ex Royle | Fruits, Medicine, Others (Beverage) | [20] |
| *Persea fruticosa* (Kurz) Kost. | Fruits | [20] | Moraceae | *Artocarpus chama* Buch. | Fruits | [24,37] |
| *Persea gamblei* (King ex Hk.f.) Kost. | Others (Incense) | [20] | *Artocarpus chaplasha* Roxb. | Fruits | [25] |
| *Persea globosa* (Aubl) Spreng | Others (Incense) | [20] | *Artocarpus lakoocha* Roxb. | Others (Masticatory, Pickle) | [24,25] |
| *Persea robusta* (W.W. Sm.) Kosterm. | Medicine, Fruits | [20] | *Conocephalus suaveolens* Blume | Vegetables | [24] |
| *Phobe cooperiana* U.N Kanjilal ex A. Das | Medicine, Fruits | [15,25] | *Cudrania cochin- chinensis* (Lour.) Kudo & Masam. | Fruits, Others (Beverage) | [20,84] |
| *Phoebe goalparensis* Hutchinson | Fruits, Vegetables | [19,31] | *Ficus altissima* Bl. | Others (Dye) | [84] |
| *Phoebe lanceolata* (Nees) Nees. | Fruits | [20,24] | *Ficus auriculata* Lour. | Fruits | [19,24,31,39] |
| *Phoebe paniculata* Nees. | Medicine | [15] | *Ficus benjamina* L. | Medicine | [33] |
| *Cinnamomum bejolghota* (Buch.-Ham) Sweet | Medicine, Energy, Others (Religious) | [15,20,34] | *Ficus cunia* Buch. Ham. | Fruits | [25] |
| *Cinnamomum caudatum* Nees | Energy, Others (Spice) | [20] | *Ficus elastica* Roxb. | Fruits | [24] |
| *Cinnamomum glandulifera* Meisn. | Medicine | [15] | *Ficus fistulosa* Reinw. | Fruits, Energy | [23,24] |
| *Cinnamomum spp.* | Medicine | [31] | *Ficus gasperriniana* Miq. | Others (Dye) | [84] |
| *Cinnamomum tamala* (Buch-Ham.) Nees & Ebern. | Medicine, Others (Spice) | [12,15,20,34] | *Ficus glomerata* Roxb. | Medicine | [25,35] |
| *Cinnamomum verum* J.Presl | Vegetables | [31] | *Ficus hirta* Vahl | Fruits, Medicine, Others (Fodder) | [20,33,39] |
| Annonaceae | *Fissistigma polyanthum* Merr. | Fruits | [25] | *Ficus hispida* L. f | Fruits, Medicine | [25,30,36] |
| *Griffithia fusca* Maingrey ex King. | Fruits | [24] | *Ficus hookeriana* Corner | Fruits | [19] |
| *Miliusa globosa* (A. DC.)Panigr & S.C. Mishra | Others (Dye) | [20] | *Ficus racemosa* L. | Vegetables | [36] |
| *Miliusa roxburghiana* (Wallich.) Hook. F & Thomson | Medicine | [33,84] | *Ficus religiosa* Linn. | Medicine, Others (Religious) | [2,36] |
| Magnoliaceae | *Magnolia champaca* (Linnaeus) Bailon ex Pierre | Fruits, Energy, Shelter, Medicine, Vegetables | [19,31] | *Ficus roxburghii* Wall. | Fruits | [25] |
| *Magnolia oblonga* (Wallich ex Hooker f. & Thomson) Figlar | Fruits, Shelter, Energy | [19,31] | *Ficus spp* | Medicine | [10] |
| *Michelia champaca* Linn. | Medicine | [22,23] | *Ficus squamosa* Roxb. | Fruits | [24] |
| *Michelia lanuginosa* Wall. | Vegetables | [36] | *Morus alba* Linn. | Fruits, Medicine | [10,24,36] |
| *Michelia montana* Blume. | Others (Dye) | [84] | *Morus indica* Linn. | Fruits | [24,25] |
| *Michelia oblonga* Wall. ex H. f.& Th. | Medicine | [15,23] | *Morus laevigata* Wall. ex Brandis | Medicine | [32] |
| *Michelia punduana* Hk. f. & Th. | Medicine | [20] | *Morus macroura* Miq. | Medicine | [36] |
| Acoraceae | *Acorus calamus* Linn. | Medicine, Others (Veterinary) | [8,19-23,28,33,34,36,37,89] | *Morus nigra* Linnaeus | Fruits | [19] |
| Araceae | *Alocacia macrorrhiza* Schott. | Vegetables, Medicine | [10,37] | *Artocarpus heterophyllus* Lam. | Medicine, Fruits | [9,12,36,38] |
| *Alocasia fornicata* (Roxb.) Schott. | Medicine | [33] | *Ficus semicordata* Buch-Ham ex Sm | Medicine | [15,17,20] |
| *Alocasia macrorrhiza* Schott | Medicine | [10] | Rhamnaceae | *Berchemia floribunda* (Wall.) Brongn. | Vegetables | [24] |
| *Amorphophallus paeoniifolius* (Dennst.) Nicolson | Medicine | [33] | *Rhamnus nepalensis* (Wallich) Lawson | Fruits | [24] |
| *Amorphophalus campanulatus* (Roxb). Blume. | Vegetables | [37,87] | *Sageretia filiformis* (Roth) G. Don | Medicine, Energy | [19,31] |
| *Colocasia affinis* Schott | Vegetables, Medicine, Others (Veterinary) | [19,24,33] | *Ziziphus mauritiana* Lam. | Fruits, Medicine | [20,24,25] |
| *Colocasia antiquorum* Schott | Vegetables | [24] | *Ziziphus rugosa* Lamk. | Fruits | [24] |
| *Colocasia esculenta* (L.) Schott. | Vegetables, Medicine | [9,17,20,21,24,25,36,37,87] | *Hovenia dulcis var. acerba* (Lindl.) Sengupta & Safui | Fruits | [20] |
| *Colocasia fallax* Schott | Vegetables | [24] | Rosaceae | *Cerasus cerasoides* (Buchanan- Hamilton ex D. Don) S. Y. Sokolov | Fruits | [19,31] |
| *Lasia spinosa* (L.) Thwaites | Medicine, Vegetables | [9,25,37] | *Docynia indica* Decne. | Fruits | [25] |
| *Pothos roxburghii* de Vriese | Medicine | [20] | *Duchesnea indica* (Andrews) Focke | Fruits | [19,24,31] |
| *Pothos scandens* L. | Medicine | [36] | *Fragaria indica* Andr. | Fruits | [25] |
| *Rhaphidophora decursiva* (Roxb.) Scott. | Others (Bait) | [36] | *Malus sikkimensis* (Wenz.) Koehne | Fruits, Others (colour fixer) | [20] |
| *Zalacca secunda* Griff. | Fruits, Shelter | [24,37] | *Photinia integrifolia* Lindl. | Medicine | [33] |
| *Arisaema consanguineum* Schott | Others (Poison) | [2,20,21] | *Potentilla fruticosa* Linnaeus | Medicine | [20] |
| *Arisaema nepenthoides* (Wall.) Mart. | Others (Ornamental) | [20] | *Potentilla fulgens* Hook. | Medicine | [28] |
| *Arisaema wattii* Hk.f. | Others (Ornamental) | [20] | *Potentilla lineata* Trevir | Medicine | [20,34] |
| *Homalolmena aromatica* (Spreng.) Schott | Medicine | [20] | *Potentilla peduncularis* D.Don | Fruits | [20] |
| Dioscoreaceae | *Dioscorea alata* Linn. | Vegetables, Medicine | [17,24,33,35,36,54] | *Potentilla sundaica* Kuntze | Medicine | [20] |
| *Dioscorea belophylla* (Prain) Voigt | Vegetables | [24] | *Prunus cerasoides* D. Don | Fruits, Medicine | [20,23] |
| *Dioscorea bulbifera* Linnaeus | Medicine, Vegetables | [12,19,20,23,31,33,36] | *Prunus domestica* Linn. | Fruits | [24] |
| *Dioscorea deltoidea* Wall. ex Kunth. | Vegetables, Others (Fish poison) | [17,20,24,54] | *Prunus persica* (Linnaeus) Stokes | Fruits | [19,20,24,25,31] |
| *Dioscorea glabra* Roxb. | Vegetables | [24] | *Prunus refa* Gonde | Fruits | [23] |
| *Dioscorea hamiltonii* Hook. f. | Medicine, Vegetables | [12,23,31,33] | *Pyrus calleryana* J. Decaisne | Fruits | [19,31] |
| *Dioscorea laurifolia* Wall | Vegetables | [24] | *Pyrus pashia* D.Don. | Fruits | [19,20,24,25,31] |
| *Dioscorea melanophylla* L. | Vegetables | [24] | *Rosa sericea* Lindl. | Fruits | [20] |
| *Dioscorea oppositifolia* Linn. | Vegetables | [24] | *Rubus biflorus* Buch.-Ham. Ex Sm. | Fruits | [20] |
| *Dioscorea orbiculata* Hook | Vegetables | [24] | *Rubus calycinus* Wall. | Fruits, Medicine | [20,33] |
| *Dioscorea pentaphylla* Linn. | Vegetables | [24,37] | *Rubus ellipticus* Smith. | Fruits, Medicine | [2,17,19,20,23-25,27,31,33,36] |
| *Dioscorea purpurea* Roxb. | Vegetables | [24] | *Rubus hexagnus* Roxb. | Others (Masticatory) | [24] |
| *Dioscorea pyrifolia* Kunth | Vegetables | [24] | *Rubus insignis* Hk.f. | Fruits | [24] |
| *Dioscorea sp.* | Medicine | [29] | *Rubus lineatus* Reinw. | Fruits | [17,20,25] |
| *Dioscorea spicata* Roth | Vegetables | [24] | *Rubus moluccanus* Linn. | Medicine, Fruits | [12,37] |
| *Dioscorea wallichii* Hook. f. | Vegetables | [24] | *Rubus niveus* Thunberg | Fruits | [17,19,20,23,25,31] |
| *Dioscorea wightii* Hook. f. | Vegetables | [24] | *Rubus paniculatus* Smith | Fruits, Medicine | [20,33,36] |
| *Tacca integrifolia* Ker. Gawl | Medicine | [20,21,32] | *Rubus rosifolius* Smith | Fruits, Medicine | [19,23,33,36] |
| *Dioscorea floribunda* M.Martin & Galeotti | Medicine | [8,21] | *Rubus rugosus* Sm. | Fruits | [36] |
| *Dioscorea prazeri* Prain & Burkill | Vegetables | [20] | *Sorbus foliolosa* (Wall.) Spach | Fruits | [20] |
| Stemonaceae | *Stemona tuberosa* Lour. | Medicine | [9,28] | *Sorbus insignis* (Hk.f.) Hedl. | Fruits | [20] |
| Liliaceae | *Allium reballum* M Beib. | Vegetables | [17,25] | *Agrimonia pilosa* Ledeb. | Vegetables, Medicine | [20,24] |
| *Allium sativum* Linn. | Vegetables, Medicine | [24,32,35,36] | *Cotoneaster microphyllus* Wall. ex Lindl | Fruits | [20] |
| *Allium sp.* | Vegetables | [54] | *Fragaria daltoniana* J. Gay | Fruits, Medicine | [20] |
| *Aloe barbadensis* Mill. | Medicine | [8,21,28] | *Fragaria nubicola* (Hk. f.) Lindl. ex Lacaita | Fruits, Medicine | [20,27] |
| *Asparagus racemosus* Willd. | Medicine | [12,28] | Ulmaceae | *Trema orientalis* (L.) Blume | Shelter | [2] |
| *Campylandra aurantiaca* Baker | Medicine | [32,39] | Urticaceae | *Boehmeria macrophylla* Don. | Vegetables | [20,36] |
| *Chlorophytum arundinaceum* Baker | Vegetables | [23] | *Debregeasia longifolia* Wedd | Medicine, Vegetables | [20,21,39] |
| *Gloriosa superba* L. | Medicine | [33] | *Dendrocnide sinuata* (Blume) Chew | Medicine | [19,23,33] |
| *Lilium nepalense* D. Don | Medicine | [27] | *Elatostema platyphyllum* Wedd | Medicine, Vegetables | [12,19,31,33,39] |
| *Paris polyphyla* Smith | Medicine | [31] | *Elatostema sessile* Frost. | Vegetables | [20,24,25] |
| *Polygonatum cirrhifolium* Royle | Medicine, Vegetables | [28] | *Girardinia zeylanica* Decne. | Vegetables | [25,87] |
| *Smilacina oleracea* (Baker) Hk f | Vegetables | [20] | *Gonostegia hirta* (Blume ex Hasskarl) Miquel | Vegetables, Others (Fodder) | [17,31] |
| *Smilax perfoliata* Lour. | Medicine | [2,7] | *Laportea crenulata* Gaud. | Vegetables, Medicine | [24,31] |
| *Urginea indica* Kunth. | Medicine | [38] | *Pilea bracteosa* Wedd. | Vegetables | [24] |
| Smilacaceae | *Smilax prolifera* Roxb. | Vegetables | [37] | *Pilea glaberrima* Bl. | Vegetables | [24] |
| *Smilax rigida* Sol.Ex Sm. | Medicine, Vegetables | [20] | *Pouzolzia bennettiana* Wight | Vegetables, Medicine | [17,24,35,54] |
| Amaryllidaceae | *Allium cepa* Linn. | Medicine, Others (Spice) | [12,22,33] | *Pouzolzia hirta* (Bl.) Hassk. | Medicine | [33] |
| *Allium hookeri* Thwaites | Medicine, Others (Spice) | [12,19,22,33,35] | *Pouzolzia sanguinea* (Bl.)Merr. | Vegetables, Others (Fodder) | [20,24] |
| *Allium tuberosum* Rottler ex Sprengel | Vegetables | [19,31] | *Sarcochlamys pulcherrima* Gaud. | Medicine | [15] |
| Asparagaceae | *Smilacina purpurea* Wall | Medicine | [27] | *Urtica dioica* L. | Medicine | [33] |
| Hypoxidaceae | *Molineria capitulata* (Lour.) | Others (Wraper) | [31] | *Urtica mairei* H. Lev. | Vegetables | [20] |
| *Molineria crassifolia* Baker | Medicine | [33] | *Villebrunea integrifolia* Gaudich. | Others (Rope) | [23] |
| *Molineria prainiana* Deb | Medicine | [23] | *Boehmeria platyphylla* D.Don | Medicine | [20] |
| *Molineria recurveta* (Dryand) Hebbert. | Fruits, Medicine | [22-24,33] | *Bohemeria rugulosa* Wedd | Others (Incense) | [20] |
| Iridaceae | *Iris clarkei* Baker | Medicine | [27] | *Debregeasia wallichiana* (Wedd) Wedd. | Medicine | [20] |
| *Belamcanda chinensis* (L.) DC. | Medicine | [20] | *Urtica hirta* Bl. | Vegetables | [36] |
| Orchidaceae | *Coelogyne pectata* Lindl. | Medicine | [33] | Geraniaceae | *Pelargonium graveolens* L’Herit. | Medicine | [28] |
| *Liparis paradoxa* (Lindl.) Reichb. f | Medicine | [20] | Combretaceae | *Terminalia arjuna* W.& A. | Medicine | [15] |
| *Phaius tankervilliae* (Ait.) Bl. | Medicine | [20,84] | *Terminalia bellerica* (Gaertn.) Roxb. | Medicine, Fruits | [15,25,34] |
| *Pholidota imbricata* Lindl. | Medicine | [20] | *Terminalia chebula* Retz. | Medicine, Fruits | [8,12,21,23,25,26,33,34,36] |
| *Rhynchostylis retusa* (L.) Bl. | Medicine | [20] | *Terminalia citrina* Roxb. Flem. | Fruits, Medicine, Others (Dye) | [20,24] |
| *Satyrium nepalense* D. Don | Vegetables, Medicine | [20] | *Terminalia myriocarpa* Heurck. & Muell | Medicine, Others (Tool) | [20,21] |
| *Aerides odorata* Lour. | Medicine | [20] | Lythraceae | *Duabanga grandiflora (*Roxb. ex DC.) Walp. | Fruits | [25] |
| *Anthogonium gracile* Wall ex Lindl. | Others (Ornamental) | [20] | *Lagerstroemia macrocarpa* Wt. | Medicine | [32] |
| *Arundina graminifolia* (D. Don) Hochr. | Medicine | [20] | *Punica granatum* Linn. | Medicine, Fruits, Others (Dye) | [12,20,35,38] |
| *Calanthe triplicata* (Quillam) Ames | Medicine | [20] | *Woodfordia fruticosa* Kurz. | Medicine, Others (Dye) | [20,37] |
| *Cleisostoma williamsonii* (Rchb.f.) Garay | Medicine | [20] | Melastomataceae | *Melastoma malabathricum* Linn. | Fruits, Medicine | [9,23-25,32,36,39,84] |
| *Cymbidium aloifolium* (L.) Sw. | Medicine | [20,33] | *Melastoma normale* D.Don | Fruits, Medicine | [24,36] |
| *Cymbidium hookerianum* Rchb.f. | Medicine | [20] | *Oreocnide integrifolia* (Gaud.) Miq. | Vegetables | [24] |
| *Dendrobium densiflorum* Lindl. | Medicine | [20] | *Osbeckia glauca* Benth. ex Wall. | Medicine | [34] |
| *Dendrobium hookerianum* Lindl | Others (Rituals) | [20] | *Osbeckia nepalensis* Hk. f. | Fruits | [24,36] |
| *Dendrobium jenkinsii* Wall.ex Lindl. | Medicine | [20] | *Osbeckia nutans* Wallich ex Clarke. | Fruits | [24] |
| *Dendrobium nobile* Lindl. | Medicine | [20] | *Osbeckia stellata* Buch.-Ham. ex D. Don | Medicine | [33] |
| *Eria pannea* Lindl. | Medicine | [20] | *Osbekia chinensis* L. | Vegetables | [36] |
| *Galeola falconeri* Hook.f. | Others (Beehive) | [23] | *Oxyspora cenua* (Roxb.) Hook.F.& Thomson ex triana | Vegetables | [24] |
| *Goodyera schlectandaliana* Rchb. f. | Medicine | [20] | *Oxyspora paniculata* (D. Don) DC. | Medicine | [21] |
| *Gymnadenia orchidis* Lindl. | Medicine | [20] | *Pseudodissochaeta assamica* (Clarke) | Others (Masticatory) | [36] |
| *Habenaria arietina* Hk.f. | Medicine | [20] | *Sonerila emaculata* Roxb. | Vegetables | [24] |
| *Habenaria dentata* (Swartz) Schltr | Vegetables, Medicine | [20] | *Sonerila masculata* Roxb. | Vegetables | [24] |
| Arecaceae | *Areca catechu* Linn. | Others (Masticatory) | [24] | Myrtaceae | *Eugenia fructicosa* Roxb. | Fruits | [37] |
| *Calamus erectus* Roxb. | Shelter, Vegetables, Medicine | [2,20,24,25, 32,36] | *Psidium guajava* Linn. | Medicine, Fruits | [9,12,32,35,36,38] |
| *Calamus flagellum* Griff. | Fruits, Shelter, Vegetables | [20,24,25] | *Syzygium fruticosum* DC. | Fruits | [24] |
| *Calamus floribundus* Griff. | Fruits, Others (Handicraft) | [23,31,37] | *Syzygium aborense* (Dunn) Rathakr. & Nair | Fruits | [20] |
| *Calamus jenkinsianus* Griff. | Vegetables, Others (Furniture) | [37] | *Syzygium cuminii* (L.) Skeels | Medicine, Fruits | [8,12,20,21,25] |
| *Calamus latifolius* Roxb. | Fruits, Others (Salad) | [24,25] | *Syzygium megacarpum* (Craib) Rath. & Nair. | Medicine | [15] |
| *Calamus leptospadix* Griff. | Vegetables, Shelter, Others (Handicraft) | [20,37] | *Syzygium praecox* (Roxb.) Rathakr. & Nair | Fruits | [20] |
| *Calamus rotang* L. | Medicine, Vegetables | [32,36] | Onagraceae | *Epilobium wallichianum* Hausskn. | Medicine | [20] |
| *Calamus tenuis* Roxb. | Fruits, Vegetables, Shelter, Others (Handicraft) | [20,24,37,87] | Staphyleaceae | *Turpinia pomifera* (Roxb.) DC. | Fruits | [24] |
| *Caryota urens* L. | Vegetables | [25] | Brassicaceae | *Brassica campestris* Linn. | Vegetables | [24,54] |
| *Daemonorops jeinkinsianus* Griff. | Fruits | [24] | *Brassica juncea* L. *var. cuneifolia* (Roxb.) | Vegetables | [24] |
| *Livistona jenkinsiana* Griff. | Fruits | [24,25] | *Cardamine hirsuta* Linn. | Vegetables, Medicine, Others (Salt) | [17,19,22,24,25,31,33] |
| *Pinanga gracilis* (L.) Blume | Fruits, Vegetables | [20,25,37] | *Rorippa indica* (L.) Hiern | Vegetables | [20] |
| *Plectocomia himalayana* Griffith | Shelter, Others (Rope) | [19,20,37] | Capparaceae | *Capparis spinosa* Lam. | Medicine | [33] |
| *Wallichia densiflora* Mart | Vegetables, Others (Starch) | [20,24] | *Roydsia suaveolens* Roxb | Fruits | [23] |
| *Wallichia disticha* T. Anders. | Others (Fodder) | [36] | Caricaceae | *Carica papaya* Linn. | Medicine, Fruits, Vegetables | [8,9,21,24,32,38,39,54] |
| *Wallichia oblongifolia* Griffith | Vegetables | [19] | Moringaceae | *Moringa oleifera* Lamk. | Medicine, Vegetables | [12,21] |
| *Calamus acanthospathus* Griff | Shelter | [19,24] | Bixaceae | *Bixa orellana* Linn. | Medicine | [15,84] |
| Commelinaceae | *Forrestia mollissima* Kood | Others (Poison) | [39] | Malvaceae | *Abroma augusta* (L.) L.f. | Medicine | [20,32,36,39] |
| *Pollia hasskarlii* Rao | Fruits | [24] | *Bombax ceiba* Linn. | Medicine, Vegetables | [24,25] |
| Bromeliaceae | *Ananas comosus* (L)Merr. | Medicine | [38] | *Grewia serrulata* DC | Fruits, Others (Rope) | [24,39] |
| Cyperaceae | *Carex cruciata* Wall. | Others (Rituals) | [2] | *Grewia tiliaefolia* Vahl. | Medicine | [15] |
| *Cyperus rotundus* Linn. | Others (Masticatory) | [24] | *Hibiscus esculentus* Linn. | Fruits | [24] |
| Poaceae | *Arundinaria callosa* Munro | Others (Rope) | [23,39] | *Hibiscus rosa sinensis* L. | Medicine | [26,23,33] |
| *Arundo donax* L. | Medicine | [37] | *Kavalama urens* (Roxburgh) Rafinesque | Others (Rituals) | [19] |
| *Bambusa balcooa* Roxb. | Vegetables, Medicine | [9,25] | *Pterospermum acerifolium* Willd. | Medicine, Others (Incense) | [20,23,33] |
| *Bambusa natans* Wall. | Vegetables | [37] | *Sterculia guttata* Roxb. | Fruits | [24] |
| *Bambusa pallida* Munro | Vegetables, Shelter | [2,20,37] | *Sterculia villosa* Roxb. | Fruits | [36] |
| *Bambusa spinosa* Roxb*.* | Vegetables, Shelter | [37,87] | Thymelaceae | *Aquilaria malaccensis* Lam. | Others (Incense) | [20,28] |
| *Bambusa tulda* Roxb. | Others (Religious), Vegetables, Shelter | [21,23,25,37] | *Daphne papyracea* Wall. | Others (Dye) | [20,84] |
| *Chimonocalamus callosus* (Munro) Hsueh & Yi | Vegetables | [19] | Anacardiaceae | *Choerospondias axillaris* (Roxburgh) B.L. Burtt & A.W. Hill | Fruits | [19,31] |
| *Chimonocalamus griffithianus* (Munro) Hsueh & T.P. Yi | Vegetables, Shelter | [19] | *Mangifera indica* Roxb. | Fruits | [24,25,37] |
| *Dendrocalamus giganteus* Munro | Vegetables | [17,24] | *Mangifera sylvatica* Roxb. | Vegetables | [25,36] |
| *Dendrocalamus hamiltonii* Nees & Arnott ex Munro | Vegetables, Medicine, Shelter, Energy, Others (Religious) | [2,19,25,29,37, 39] | *Pegia nitida* Colebr. | Fruits | [24] |
| *Dendrocalamus strictus* Nees | Medicine | [7,39] | *Rhus chinensis* Miller | Fruits, Medicine | [23,31,33] |
| *Eleusine coracana* (Linn.) Gaertn. | Medicine, Others (Beverage) | [17,20-23,33,39] | *Rhus hookeri* Sahni & Bahadur | Vegetables | [20] |
| *Eremocaulon capitatum* (Trinius) Londono | Vegetables | [19,31] | *Rhus javanica* Linn. | Fruits, Medicine | [20,22,29] |
| *Erianthus rufipilus* Griseb. | Others (Rituals) | [39] | *Rhus semialata* Murr. | Medicine | [25,32] |
| *Miscanthus sinensis* Andersson | Others (Wraper) | [19] | *Spondias axillaris* Roxb. | Fruits, Others (Fodder) | [17,20,24,25] |
| *Neomicrocalamus manii* (Gamble) R.B. Majumdar | Shelter | [19,31] | *Spondias pinnata* (L.f.) Kurz | Vegetables, Medicine | [15,17,24,25] |
| *Panicum milaceum* Linn. | Fruits | [24] | *Dobinea vulgaris* Buch.-Ham | Medicine | [20] |
| *Phragmites karka* (Retzius) Trinius ex Steudel | Shelter, Medicine, Others (Salt) | [19,20,31] | Burseraceae | *Canarium bengalense* Roxb. | Medicine | [15] |
| *Phyllostachys bambusoides* Siebold and Zucc. | Shelter, Others (Incense) | [20] | *Canarium resiniferum* Brace ex King | Medicine | [33] |
| *Phyllostachys manii* Gamble | Vegetables, Shelter, Energy | [19,31] | *Canarium strictum* Roxb. | Medicine, Fruits, Others (Incense) | [12,20,23,25,36] |
| *Saccharum arundinaceum* Retzius | Others (Rituals) | [19] | *Garuga gamblei* King. | Others (Dye) | [84] |
| *Saccharum officinarum* Linn. | Medicine | [35] | Meliaceae | *Azadirachta indica* A. Juss | Medicine | [28,35] |
| *Saccharum sp.* | Shelter | [31] | *Ecbolium viride* (Forsk) Alston | Medicine | [33] |
| *Saccharum spontaneum* Linnaeus | Vegetables, Shelter | [19,24] | *Melia azedarach* Linn | Medicine | [23] |
| *Schizostachium capitatum* (Munro) Majumdar | Medicine | [23,33] | *Melia superba* Roxb. | Medicine | [8] |
| *Schizostachyum helfere* Majumdar | Shelter, Others (Handicraft) | [37] | *Aphanamixis chittagonga* (Miq.) Haridasan & R.R. Rao | Medicine | [20] |
| *Schizostachyum pergracile* (Munro) R. B. Majumdar | Shelter, Others (Incense) | [20] | Rutaceae | *Aegle marmelos* (L.) Correa. | Fruits | [24] |
| *Setaria italica* Beav. | Others (Beverage) | [17,24] | *Citrus aurantium* L. | Fruits, Medicine | [24,36] |
| *Thysanolaena maxima* Kuntze | Medicine, Others (Broom, Fodder) | [20,31,35] | *Citrus decumana* Linn. | Fruits | [24] |
| *Arundinaria maling* Gamble | Shelter | [20] | *Citrus excavata* Burm. | Fruits | [24] |
| *Arundinaria racemosa* Munro | Shelter | [20] | *Citrus indica* Tanaka | Medicine | [35] |
| *Bambusa arundinaria* Willd | Medicine | [38] | *Citrus limetta* Risso. | Fruits | [24] |
| *Chimonobambusa callosa* (Munro) Nakai | Vegetables, Shelter | [20] | *Citrus limon* (L.) Osbeck | Medicine, Fruits | [9,12,36] |
| *Chimonobambusa hookeriana* (Munro) Nakai | Vegetables, Shelter | [20] | *Citrus paradisi* MacF. | Medicine | [15] |
| *Cymbopogon citratus* (DC.) Stapf | Medicine | [20] | *Citrus sp.* | Fruits | [37] |
| *Imperata cylindrica* (L) Raeusch | Shelter | [20] | *Murraya koenigii* (L.) Spreng. | Vegetables, Medicine, Others (Spices) | [24-26,33] |
| Marantaceae | *Phrynium capitatum* Willd. | Medicine, Others (Wraper) | [12,21] | *Murraya paniculata* (L.) Jack. | Fruits, Medicine, Vegetables | [21,23,24] |
| *Phrynium imbricatum* Roxb. | Others (Wraper) | [24] | *Skimmia angustifolia* | Medicine | [23] |
| *Phrynium pubinerve* Blume | Others (Fodder) | [20] | *Toddalia aculeata* Pers. Syn*.* | Fruits, Medicine | [17,23,24,33] |
| Musaceae | *Ensete glaucum* (Roxb.) | Fruits | [24,36] | *Zanthoxylum acanthopodium* DC. | Vegetables, Medicine | [17,23,24,33] |
| *Ensete superbum* Cheesman | Vegetables | [25] | *Zanthoxylum armatum* DC. | Vegetables, Fruits, Medicine, Others (Fish poison) | [8,19,20,21,23-25,28,31-33,36] |
| *Musa acuminata* Colla. | Fruits, Medicine | [21,24] | *Zanthoxylum hamiltonianum* Wall | Medicine | [10] |
| *Musa balbisiana* Colla. | Medicine, Vegetables, Fruits | [9,12,25,87] | *Zanthoxylum oxyphyllum* Edgew. | Vegetables, Medicine, Others (Fish poison) | [20,24,26,33,34] |
| *Musa paradisiaca* Linn. | Medicine, Vegetables | [8,9,12,26,33,38] | *Zanthoxylum piperatum* (L.) DC. | Medicine | [29] |
| *Musa sapientum* L. | Fruits, Medicine, Others (Fodder), Vegetables | [9,21,23,32] | *Zanthoxylum rhetsa* DC | Medicine, Vegetables | [7,10,12,31,33,54] |
| *Musa sp* | Fruits | [25] | *Citrus medica* Linn. | Medicine, Fruits | [8,12,20,21,25,34,38,39] |
| *Musa vellutina* Wendl. & Drude | Fruits, Vegetables, Medicine, Shelter, Others (Fodder) | [2,9,20,23,24,36] | Sapindaceae | *Acer pectinatum* Wall. ex G. Nicholson | Others (Beverage) | [20] |
| Zingiberaceae | *Alpinia malaccensis* (Brum.f.) Rosc. | Medicine, Fruits, Vegetables | [23,32,37,39] | *Aesculus assamica* Griffith | Medicine, Others (Fish poison) | [8,21,35] |
| *Alpinia nigra* (Gaertn.) Burtt. | Medicine, Fruits | [2,12,21] | *Litchi chinensis* Sonnar. | Fruits | [24] |
| *Amomum aromaticum* Roxb. | Medicine, Others (Spice) | [12,25,26,33] | Cornaceae | *Cornus capitata* Wall | Fruits, Medicine | [20] |
| *Amomum dealbatum* Roxb. | Fruits, Vegetables, Others, Medicine | [20,25] | *Cornus oblonga* Wall | Fruits | [20] |
| *Amomum subulatam* Roxb. | Others (Spice) | [24] | Hydrangeaceae | *Hydrangea robusta* Hook.f. | Vegetables | [24,39] |
| *Costus specious* (J.Kong) Sm | Medicine, Vegetables | [8,20,21,28,29,34,36] | Actinidiaceae | *Actinidia callosa* Lindl. | Fruits | [19,20,31,37] |
| *Costus variegata* Linn | Medicine | [34] | *Actinidia sinensis* Lindley | Fruits | [19,31] |
| *Curcuma aromatica* Salisb. | Vegetables, Medicine | [25,33] | Balsaminaceae | *Impatiens latifolia* L. | Medicine | [33] |
| *Curcuma caesia* Roxb. | Medicine | [9,23,32,33,35,38] | *Impatiens racemosa* DC. | Medicine, Vegetables | [19,24,33] |
| *Curcuma sp.* Linn. | Medicine | [29] | *Impatiens angustiflora* Hk. f. | Medicine | [20] |
| *Curcuma zedoaria* Rosc. | Medicine | [33] | Ebenaceae | *Diospyros kaki* L. f | Fruits | [25] |
| *Elettaria cardamomum* Maton | Others (Spice) | [36] | *Diospyros lotus* L. | Medicine, Fruits | [20] |
| *Globba clarkei* Baker | Vegetables | [20] | *Diospyros peregrina* (Gaertn.) Gurke | Fruits, Medicine | [20] |
| *Hedychium coccineum* J.E. Smith. | Vegetables, Medicine | [2,21,24] | *Diospyros sp.* | Fruits | [37] |
| *Hedychium coronarium* Koen. | Medicine, Others (Ornamental) | [20,33] | Ericaceae | *Agapetes saligna* Cl. | Medicine | [37] |
| *Hedychium dekianum* Rao & Verma | Medicine | [23,33] | *Lyonia ovalifolia* (Wall.) Drude | Medicine | [20] |
| *Hedychium sp* | Medicine | [31,32] | *Pieris formosa* (Wallich) D. Don | Medicine | [27] |
| *Hedychium spicatum* Buch.-Ham. ex Sm. | Medicine, Fruits | [12,27,28,33,34] | *Rhododendron arboreum* Smith | Medicine, Others (Ornamental) | [19,20,34,35] |
| *Roscoea alpina* Royle | Medicine | [20] | *Rhododendron grande* Wight | Medicine | [20] |
| *Zingiber officinale* Rose. | Medicine, Vegetables, Others (Spice) | [8,12,21-23,26,32,33,35,38,54] | *Gaultheria fragrantissima* Wall. | Fruits, Medicine | [20] |
| *Zingiber zerambei* (L) Smith | Medicine | [7] | *Gaultheria hookeri* C.B. Clarke | Fruits | [20] |
| *Amomum maximum* Roxb. | Others (Spice) | [20] | *Gaultheria trichophylla* Royle | Fruits | [20] |
| *Curcuma longa* Linn. | Medicine, Others (Spice) | [12,21,26,32,36,38] | Primulaceae | *Ardisia thyrsiflora* D.Don. | Fruits | [20,24] |
| *Hedychium gardnerianum* Shepp. ex Ker Gawl | Fruits, Medicine | [20,36] | *Embelia ribes* Burm. (f) | Medicine | [21,30] |
| *Hedychium gracile* Roxb. | Fruits, Others (Ornamental, repellant) | [20,21] | *Maesa indica* (Roxb.) A. DC | Medicine, Fruits | [8,20,25,33] |
| *Hedychium stenopetalum* Lodd | Vegetables, Others (Ornamental) | [20] | *Myrsine semiserrata* Wall. | Medicine | [33] |
| *Ipinia malaccensis* (Burm.f.) Rosc. | Others (Ornamental) | [20] | *Primula denticulata* Smith | Others (Floral) | [19] |
| Berberidaceae | *Berberis aristata* DC | Medicine, Fruits | [8,20,21,28] | *Primula kingii* Watt | Medicine | [20] |
| *Berberis asiatica* Roxb. ex DC | Fruits | [24] | *Amblyanthus glandulosus* (Roxb.) DC | Medicine | [20] |
| *Berberis wallichiana* DC. | Fruits, Medicine | [12,19,22,23,31,33] | Sapotaceae | *Manilkara hexandra* (Roxb.) Dub | Vegetables | [20] |
| *Mahonia acanthifolia* G. Don | Fruits | [23,31] | *Mimusops elengi* L. | Fruits | [25] |
| *Mahonia napalensis* DC. | Medicine, Fruits, Others (Dye, Cosmetic) | [19,20,22,23,25,33] | Symplocaceae | *Symplocos paniculata* Miquel | Shelter | [19,31] |
| *Mohonia acanthifolia* G. Don*.* | Fruits | [24] | *Symplocos racemosa* Roxb. | Medicine, Others (Dye) | [20] |
| *Podophyllum hexandrum* Royle | Medicine | [20,34] | Theaceae | *Camellia sinensis* (L.) O. Ktze. | Others (Beverage) | [24] |
| Lardizabalaceae | *Holboellia latifolia* Wall. | Fruits | [20] | *Eurya acuminata* DC. | Others (Dye) | [19,23,31] |
| Menispermaceae | *Cissampelos pareira* L. Var.Linsuta (Buch.Hami ex DC) | Medicine, Fruits | [12,33] | *Schima wallichii* Choisy | Energy | [20] |
| *Limacia oblonga* Miers | Fruits | [24,39] | Boraginaceae | *Cordia myxa* L. | Others (Pickle) | [25] |
| *Pericampylus glaucus* (Lamarck) Merrill | Shelter, Others (Rope) | [19,23] | *Ehretia acuminata* Roxb. Br. | Medicine | [15] |
| *Stephania japonica* (Thunb.) Miers | Medicine | [20] | Apocynaceae | *Alstonia scholaris* (L.) Br. | Medicine | [15,21,33,89] |
| *Tinospora cordifolia* (Willd) Miers. Ex Hookf & Thoms. | Medicine | [7,30] | *Calotropis gigantea* (L.) Br. | Medicine | [26,33] |
| Papaveraceae | *Argemone mexicana* L. | Medicine | [26,33,34] | *Nerium indicum* Miller. | Others (Dye) | [84] |
| *Corydalis cashmeriana* Royle. | Medicine | [27] | *Alstonia neriifolia* D. Don | Others (Fuel wood) | [20] |
| *Meconopsis grandis* Prain | Medicine | [27] | *Rauvolfia serpentina* Benth. Et. Kurz | Medicine | [8,21,28,38] |
| Ranunculaceae | *Aconitum ferox* Wall, ex Ser. | Medicine, Others (Poison) | [2,21,27,28,31,34,35] | *Vinca rosea* Linn. | Medicine | [38] |
| *Aconitum heterophyllum* Wall. | Others (Poison | [31,36] | Gentianaceae | *Swertia angustifolia* Buch.-Ham ex D.Don | Medicine | [20] |
| *Coptis teeta* Wall. | Medicine | [8,10,21,23,28,32,34,36,39] | *Swertia chirayita* (Roxb. ex Fleming) Karsten | Medicine | [20,21,22,27,28,34] |
| *Thalictrum foliolosum* DC. | Medicine | [20] | *Swertia hookeri* Clarke | Medicine | [20] |
| *Aconitum fletcherianum* Taylor | Medicine | [20] | *Swertia kingii* Hk.f | Medicine | [20] |
| *Clematis buchaniana* DC. | Medicine, Others (Poison) | [20] | *Crawfurdia speciosa* Wall. | Medicine | [27] |
| Dilleniaceae | *Dillenia indica* Linn | Medicine, Vegetables | [8,9,12,17,20,21,23,25,32-34,37] | *Gentiana depressa* D. Don | Medicine | [27] |
| Crassulaceae | *Rhodiola sinuata* (Royle ex Edgew.) Fu | Medicine | [20] | *Gentiana speciosa* (Wall.) Marq | Vegetables | [20] |
| *Bryophyllum calycinum* Salisb. | Medicine | [30,32] | *Halenia elliptica* D. Don | Medicine | [20] |
| *Kalanchoe pinnata* (Lam.) Pers. | Medicine | [7,28,38] | *Lomatogonium carinthiacum* (Wulfen) Reichenbach | Medicine | [27] |
| Hamamelidaceae | *Corylopsis himalayana Griff* | Energy | [20] | Rubiaceae | *Coffea bengalensis* Heyne ex. Roem. & Schult. | Medicine | [10,32] |
| *Loropetalum chinense* Oliver | Others (Rituals) | [23] | *Fiedyotis scandens* Roxb. | Medicine | [35] |
| *Exbucklandia populnea* (R.Br. Ex Griff.) R.W. Br. | Energy | [20] | *Lasianthus japonicas* (Hooker) C.Y. Wu & H. Zhu | Others (Gum) | [19] |
| Saxifragaceae | *Bergenia ciliata* (Haw.) Sternb. | Medicine | [20,33] | *Lasianthus longicauda* Hook | Others (Gum) | [23] |
| *Bergenia stracheyi* Hook.f. & Thorns. | Medicine | [27] | *Meyna laxiflora* Robyns | Medicine | [9] |
| *Astilbe rivularis* Buch. Ham. ex D.Don | Medicine | [20] | *Musaenda frondosa* L. | Medicine | [36] |
| Balanophoraceae | *Balanophora dioica* R. Br. Ex Royle | Medicine | [20] | *Mussaenda roxburghii* Hook.f. | Vegetables, Medicine | [20,21,87] |
| Loranthaceae | *Viscum articulatum* Burm. f. | Medicine | [27] | *Mycetia longifolia* (Wall.) O. Klze. | Vegetables, Medicine | [21,24] |
| *Viscum monoicum* Roxb. | Others (Gum) | [2] | *Ophiorhiza fasciculata* D. Don. | Vegetables | [36] |
| *Helixanthera parasitica* Lour. | Others (Gum) | [20] | *Paederia foetida* Linnaeus | Medicine, Vegetables | [8,9,12,19-23,26,29,30,32,33] |
| Amaranthaceae | *Aerva sanguinolenta* Linn. | Medicine | [38] | *Rubia cordifolia* Linn. | Medicine, Others (Dye) | [20,28,33,34,84] |
| *Alternanthera sessilis* (L.) R. Br. ex DC. | Vegetables | [25] | *Rubia manjith* Roxburgh ex Fleming | Medicine, Others (Dye) | [19,21,23,31] |
| *Amaranthus gangeticus* Linn. | Vegetables | [24] | *Rubia sikkimensis* Kurz. | Others (Dye) | [20,84] |
| *Amaranthus hybridus* Linn. | Vegetables | [36] | *Spiradiclis bifida* Wallich ex Kurz. | Vegetables | [24] |
| *Amaranthus tricolor* Linn. | Vegetables | [19,31] |  |  |  |
| *Amaranthus viridis* Linn. | Vegetables | [17,24,25,36,37,87] | *Styrax serrulatum* Roxb. | Medicine, Vegetables | [20,37] |
| *Celosia argentea Linn.* | Vegetables | [24] | *Vangueria spinosa* Hook. f. | Fruits | [25] |
| *Chenopodium album* Linn. | Vegetables, Medicine, Others (Local drink) | [17,21,24,25,39] | *Hedyotis scandens* Roxb. | Medicine | [32,37,38] |
| *Chenopodium ambrosioides* Linn. | Vegetables, Medicine | [24,33] | *Paederia scandens* (Lour.) Merr. | Medicine, Vegetables | [25,38] |
| *Amaranthus spinosus* Linn. | Medicine, Vegetables | [8,10,12,17,19,21,25,37,38,87] | *Spermococa hipsida* (Linn.) Miq. ex. Hook | Medicine | [38] |
| *Cyathula prostrata* (L.) Blume | Medicine, Others (Salt) | [20,23,33] | Acanthaceae | *Adhatoda vasica* Nees | Medicine | [37] |
| Basellaceae | *Basella alba* L. | Vegetables | [36] | *Andrographis paniculata* (Burm. f) Wall. ex. Nees. | Medicine | [8,21,26,28,32-34,36,38] |
| Cactaceae | *Opuntia dillenii* How. | Vegetables | [24] | *Barleria prionitis* L. | Medicine | [33] |
| Caryophyllaceae | *Gypsophila cerastioides* D.Don. | Vegetables | [24] | *Justicia adhatoda* L. | Medicine | [28] |
| *Silene heterophylla* | Fruits | [23] | *Justicia gendarussa* Burm. f. | Medicine | [28] |
| *Stellaria media* (L.) Vill. | Medicine | [33] | *Phlogacanthus curviflorus* Wallieh. | Medicine | [21,89] |
| *Drymaria diandra* Blume | Medicine, Vegetables | [20,21,23] | *Phlogacanthus thrysiflorus* Roxb. | Medicine, Vegetables | [12,21,36,89] |
| *Drymaria cordata* (Linn.) Willd. | Medicine | [9,20,32,38] | *Phlogacanthus tubiflorus* Nees | Vegetables | [25] |
| Phytolaccaceae | Phytolacca acinosa Roxb. | Medicine | [20] | *Strobilanthes furcatus* Biswas | Vegetables | [24] |
| Plumbaginaceae | *Plumbago zeylanica* L. | Medicine | [28] | *Strobilanthes helictus* T. Anderson | Fruits | [19,31] |
| *Plumbago indica* Linn. | Medicine | [38] | *Strobilanthes multidens* Clarke | Vegetables, Medicine | [20, 33] |
| Polygonaceae | *Fagopyrum dibotrys* (D.Don.) Trev. | Medicine, Vegetables | [12,34] | *Adhatoda zeylanica* Med. | Medicine | [8] |
| *Fagopyrum esculentum* (L) Moench. | Vegetables, Medicine, Fruits | [17,20,21,24,25,34,36,39] | *Thunbergia coccinia* Wall. | Medicine | [9] |
| *Persicaria bartata* (Linnaeus) H. Hara | Vegetables, Others (Fodder) | [19,31] | Bignoniaceae | *Oroxylum indicum* Vent. | Medicine | [8,15,20,21,26,28,33,34,89] |
| *Persicaria chinensis* (L.) H. Gross | Medicine | [9] | *Stereospermum chelonoides* (L. f.) DC. | Medicine | [15,33] |
| *Persicaria hydropiper* (Linnaeus) Delarbre | Others (Fish poison) | [19] | *Stereospermum hypostictum* Miq. | Medicine | [15] |
| *Polygonum alatum* Buch.- Ham. ex Spreng. | Vegetables | [25] | Gesneriaceae | *Boeica filiformis* C.B.Clarke | Vegetables | [24] |
| *Polygonum auriculatum* Meissn. | Fruits | [24] | *Boeica fulva* C.B.Clarke | Vegetables | [24] |
| *Polygonum barbatum* Linn | Others (Fish poison) | [23] | *Rhynchoglossum lazulinum* Rao & Joseph | Others (Spice) | [20] |
| *Polygonum chinense* Linn. | Vegetables, Medicine | [20,25,34,37] | *Rhynchotechum ellipticum* (Wallich ex Dietr.) A.DC. | Vegetables | [24] |
| *Polygonum hydropiper* Linn. | Fruits, Vegetables, Others (Fish poison) | [35,36] | Lamiaceae | *Ajuga macrosperma* Wall. | Vegetables | [24] |
| *Polygonum molle* D. Don | Vegetables | [17,20] | *Anisomeles indica (Linnaeus) Kuntze* | Medicine | [19,33] |
| *Polygonum nepalense* Meissn. | Medicine | [20,33] | *Anisomeles ovata* W.T. Aiton. | Medicine | [23] |
| *Polygonum perfoliatum* Linn. | Vegetables, Medicine | [33,87] | *Clerodendrum glandulosum* Lindley | Medicine, Vegetables | [9,19,21,33] |
| *Polygonum posumbu* Ham. | Vegetables | [24] | *Colquhounia coccinea* Wall. |  |  |
| *Polygonum rumicifolium* Royle ex Bab. | Medicine | [34] | *Elsholtzia blanda* Benth | Others (Veterinary) | [33,39] |
| *Polygonum runcinatum Ham.* | Vegetables | [24] | *Hyptis suaveolens* (L.) Poit. | Medicine | [19,23,33] |
| *Rheum australe* D. Don | Medicine | [27,28] | *Lavendula vera* DC. | Medicine | [28] |
| *Rheum nobile* Hook. f. & Thoms. | Vegetables | [20] | *Leonotis nepetifolia* R. Br. | Medicine | [33] |
| *Rumex nepalensis* Spr. | Vegetables, Medicine, Others (Fodder) | [20,24,33] | *Leucas aspera* Spreng. | Vegetables | [87] |
| Portulacaceae | *Portulaca oleracea* Linnaeus | Medicine, Vegetables | [19,23,24,32,33,36] | *Leucas cephalotes* (Roth) Spreng. | Others (Ornamental) | [20] |
| Vitaceae | *Cissus quadrangularis* L. | Medicine | [37] | *Lucas aspera (Willd.)* Linn. | Medicine | [7] |
| *Cissus repens* Lamk. | Fruits | [24] | *Mentha arvensis* Linn. | Medicine, Vegetables | [8,21,54] |
| *Leea indica* (Burm.f.) Merr. | Fruits | [24] | *Mentha piperata* Linn. Emend. Huds. | Vegetables | [24] |
| *Tetrastigma lanceolarium* (Roxb.) Planch | Fruits | [37] | *Mentha spicata* L. | Medicine | [9] |
| *Tetrastigma serrulatum* (Roxb.) Planch | Medicine | [89] | *Ocimum sanctum* Linn. | Medicine | [8,21,35] |
| *Vitis himalayana* (Royle) Brandis | Fruits | [36] | *Perilla frutescens* (Linnaeus) Britton | Medicine, Others (Spice) | [12,19,23,33] |
| *Vitis repens* Lam. | Fruits | [23] | *Perilla ocymoides* Linn. | Vegetables, Medicine | [21,54] |
| *Vitis sp* | Fruits | [25] | *Plectranthus japonicus* (Burm.f.) Koidz. | Medicine | [22,23,31,33] |
| *Vitis trifolia* L. | Fruits | [37] | *Pogostemon elsholtzoides* Benth. | Medicine | [20] |
| *Cissus javana* DC | Fruits | [20] | *Elsholtzia flava* Benth. | Others (Spice) | [20] |
| Celastraceae | *Euonymus theifolius* Wall. ex M.A. Lawsen | Medicine | [20] | *Gmelina arborea* Roxb. | Medicine, Vegetables | [8,12,21,33] |
| Elaeocarpaceae | *Echinocarpus assamicus* Benth. | Medicine | [15] | *Ocimum americanum* Linn. | Medicine | [38] |
| *Elaeocarps floribundus* Blume | Medicine, Fruits | [9,24,25] | *Ocimum basilicum* Linn | Medicine | [23] |
| *Elaeocarps sphaericus* Gaertn. | Medicine | [28] | *Pogostemon bengalensis* Kuntze | Medicine | [38] |
| *Elaeocarps aristatus* Roxb. | Fruits | [20] | Oleaceae | *Jasminum humile* L. | Medicine | [33] |
| *Elaeocarps glandulosus* Wall ex Merr. | Medicine | [20] | *Ligustrum ovalifolium* Hasskarl | Shelter | [19] |
| *Elaeocarpus lanceifolius* Roxb. | Fruits | [20] | Plantaginaceae | *Plantago erosa* Walliach | Medicine, Vegetables, Others (Fodder) | [12,19,21-23,31] |
| *Elaeocarpus sikkimensis* Mast. | Fruits | [20] | *Plantago major* Linn. | Vegetables, Medicine | [17,25,26,28,35,36] |
| *Elaeocarpus varuna* Buch.-Ham ex Mast. | Fruits | [20] | Scrophulariaceae | *Bacopa monnieri (L.)* Pennell | Medicine | [34] |
| *Elaeocarpus sphaericus* (Gaertn.) K. Schum. | Fruits | [24] | *Buddleja asiatica* Lour. | Medicine, Others (Fodder) | [20,33.35] |
| Oxalidaceae | *Averrhoa carambola* Linn. | Fruits, Medicine | [34,36,38] | *Picrorrhiza kurroa* Royle ex Benth. | Medicine | [20,28,33] |
| *Oxalis acetosella* L. | Vegetables | [24] | *Scoparia dulcis* L. | Medicine | [21,89] |
| *Oxalis cornicullata* L. | Fruits, Vegetables, Medicine | [8,10,19,21-23,25,26,31-34,36,87] | *Hemifragma heterophyllum* Wall. | Fruits | [20] |
| *Oxalis debilis* H.B.K. | Vegetables, Medicine | [23] | *Scrophularia lindernia* (Linn.) Dubia | Medicine | [38] |
| Achariaceae | *Gynocardia odorata* R. Br. | Medicine, Others (Trap, Fish poison) | [2,9,15,20,21,30] | *Pedicularis gracilis* Wall | Vegetables | [20] |
| *Hydnocarpus kurzii* (King) Warb. | Medicine | [15,34] | Verbenaceae | *Calicarpa arborea* Roxb. | Medicine, Others (Masticatory) | [2,8,15,21,39] |
| Calophyllaceae | *Mesua ferrea* Linn. | Fruits, Medicine | [25,38] | *Callicarpa macrophylla* Vahl | Fruits, Medicine | [24,33] |
| Clusiaceae | *Garcinia cowa* Roxb.ex DC. | Medicine, Fruits | [15,37] | *Callicarpa vastita* Roxb. | Medicine, Others (Masticatory) | [12,33] |
| *Garcinia lanceifolia* Roxb. | Medicine | [9] | *Clerodendrum colebrookianum* Walp | Vegetables, Medicine | [2,8,17,20,22, 24,25,28,29,31,34-37,39,54,87] |
| *Garcinia paniculata* Roxb. | Fruits | [37] | *Clerodendrum kaempferi* (Jacq.) Siebold. | Vegetables | [39] |
| *Garcinia pedunculata* Roxb. | Vegetables, Fruits, Medicine | [15,24,32,34,36,38] | *Clerodendrum serratum* (Linn.) Moon. | Vegetables, Medicine | [2,24,30,33,34] |
| *Giradina pedunculata* Roxb. | Fruits | [25] | *Premna bengalensis* Clarke | Medicine | [15] |
| *Hypericum choisyanum* Wall.ex N. Robson | Others (Beverage) | [20] | *Premna milleflora* C.B.Clarke. | Fruits, Vegetables | [24] |
| Euphorbiaceae | *Antidesma acidum* Retz. | Medicine | [33] | *Vitex negundo* L. | Vegetables, Medicine | [28,36] |
| *Aporosa octandra* (Buch.-Ham. ex D.Don) Vick. | Medicine | [15] | *Clerodendrum viscosum* Vent | Medicine, Vegetables | [8,24,25] |
| *Aporusa diocia* (Roxb.) Muell | Others (Dye) | [84] | Convolvulaceae | *Argtreia nervosa* (Burm.f.) Bojer. | Vegetable | [24] |
| *Baccaaurea sapida* (Roxb.) Muell. | Fruits | [24,37] | *Ipomoea batatas L.* (Lamk.) | Vegetables | [2,17,24,35,36] |
| *Balakata baccata* (Roxb.) Esser. | Medicine | [15] | *Ipomoea cymosa* Roem. & Schult. | Vegetables | [25] |
| *Baliospermum calycinum* Muell. Arg. | Vegetables, Medicine | [39,21,24] | *Cuscuta reflexa* Roxb. | Medicine | [20,33] |
| *Baliosperum montanum* (Willd.) Muell. Arg. | Vegetables | [24] | Solanaceae | *Capsicum annum* Linn. | Others (Spice) | [24] |
| *Croton roxburghii* Wallich | Medicine | [19,31,33] | *Capsicum chinense* Jacq. | Vegetables, Medicine | [9,54] |
| *Emblica officinales* Gaertn. | Medicine | [8,21,23,25,28] | *Capsicum frutescens* Linn. | Vegetables | [54] |
| *Euphorbia hirta* Linn. | Vegetables, Medicine | [8,24,25] | *Lycopersicum esculentum* Miller. | Fruits | [24] |
| *Euphorbia ligularis* Roxb*.* | Medicine | [21,89] | *Physalis angulata* L. | Medicine | [33] |
| *Jatropha gossypifolia* L. | Medicine | [28] | *Physalis minima* L. | Medicine | [21,32.33] |
| *Macaranga denticulata* (Blume) Muell. Arg. | Medicine | [21,29] | *Physalis peruviana* L. | Fruits, Medicine | [24,33] |
| *Mallotus albus* Hook. f. | Medicine | [23] | *Solanum erianthum* D. Don | Medicine | [20] |
| *Mallotus phillippinensis* Muell.-Arg. | Medicine | [15] | *Solanum ferox* L. | Medicine, Vegetables | [20] |
| *Mallotus roxburghii* Muell. | Fruits | [24] | *Solanum indicum* Linn. | Medicine, Vegetables | [8,21,25,35,54,87] |
| *Manihot esculenta* Crantz. | Vegetables | [17,19,24,35] | *Solanum khasianum* Clarke | Medicine | [8,21,36] |
| *Phyllanthus emblica* L. Hk. f. | Fruits | [24] | *Solanum kurzi* Brace ex Prain | Medicine, Vegetables | [19,21,23,31,33] |
| *Phyllanthus parvifolius* Buch-Ham ex D Don | Medicine | [20] | *Solanum melongena* Linn. | Fruits, Vegetables | [24,54] |
| *Phyllanthus sp* | Medicine | [31] | *Solanum myriacanthum* Dunal | Fruits, Medicine | [19,23,31,33] |
| *Ricinus cummunis* Linn. | Medicine | [20,21,29] | *Solanum nigrum* Linnaeus | Fruits, Vegetables, Medicine | [19,21-25,31,33,36,37,54,87] |
| *Croton caudatus* Geiseler. | Medicine | [20] | *Solanum sp.* | Medicine | [35] |
| *Euphorbia nerifolia* Linn. | Medicine | [20] | *Solanum spirale* Roxb. | Medicine, Vegetables | [10,32,54] |
| *Phyllanthus acidus* Skeels. | Medicine | [38] | *Solanum stramonifoliatum* Jack. | Vegetables, Medicine | [36] |
| *Sapium baccatum* Roxb. | Fruits, Medicine | [21,23,84] | *Solanum torvum* Swartz. | Fruits, Vegetables, Medicine | [8,17,20,23-25,33,35,36,54,87] |
| Hypericaceae | *Hypericum japonicum* Thunb. ex Murr. | Medicine | [33] | *Solanum tuberosum* Linn. | Vegetables | [24] |
| Malpighiaceae | *Aspidopterys indica* (Willdenow) William Theobald | Others (Gum) | [19,23] | *Solanum xanthocarpum* Schrad. & Wendl. | Medicine | [22,35] |
| Passifloraceae | *Passiflora edules* Sim. | Vegetables, Medicine | [25] | *Withania somnifera* Dunal | Medicine | [28] |
| *Passiflora foetida* L. | Medicine | [33] | *Cyphomandra betacea* (Cav.) Miers. | Vegetables | [20] |
| *Passiflora nepalensis* Wall. | Vegetables | [25] | *Datura stramonium* L. | Medicine | [20] |
| Phyllanthaceae | *Bischofia javanica* Blume. | Vegetables, Medicine | [15,24] | *Solanum aculeatissimum* Jacq. | Medicine | [9,17] |
| Salicaceae | *Salix calyculata* Hk.f. ex Anderson. | Medicine | [20] | Aquifoliaceae | *Ilex embelioides* HK.f | Others (Dye) | [84] |
| Violaceae | *Viola diffusa* Ging. | Medicine | [20] | *Ilex dipyrena* Wall | Fruits | [20] |
| Begoniaceae | *Begonia chinensis* (L) Willd. | Vegetables, Medicine | [25] | Helwingiaceae | *Helwingia himalaica* Hk.f. & Thomson ex C.B. Clarke | Medicine | [20] |
| *Begonia griffithiana* (DC.) Warb | Vegetables | [39] | Asteraceae | *Acmella paniculata* (Wallich ex DC.) R.K. Jansen | Vegetables, Medicine | [9,19,31] |
| *Begonia josephii* A.DC. | Vegetables, Medicine, Others (Salad) | [25,32,36] | *Ageratum conyzoides* Linn. | Medicine | [8,9,19,21-23,29,30,32,33,35-37,39] |
| *Begonia obversa* C.B. Clarke | Vegetables, Medicine, Others (Fodder) | [19,23] | *Artemisia indica* Willd. | Vegetables, Medicine | [9,19,21-23,31,33,39] |
| *Begonia palmata* D. Don | Vegetables | [24,25] | *Artemisia maritima* L. | Medicine | [33] |
| *Begonia roxburghii* (Miq.) DC. | Medicine, Vegetables, Others (Dye) | [9,17,19,23-25,31,33,37] | *Artemisia nilagirica* (Cl.) Pamp | Medicine, Others (Incense) | [2,20,21,28,29,33,35,36] |
| *Begonia sp.* | Medicine | [29] | *Artemisia vulgaris* L. | Medicine | [28] |
| Begonia aborensis Dunn | Medicine | [20] | *Bidens biternata* (Lour) Merr. & Scherff | Vegetables | [20,24] |
| *Begonia hatacoa* Buch.- Ham ex D.Don | Vegetables | [20] | *Bidens pilosa* Linn. | Medicine, Vegetables | [2,8,21,35,37] |
| *Begonia inflata* Clarke | Medicine | [20] | *Blumea fistulosa* (Roxb.) Kurz. | Vegetables, Medicine | [24,39] |
| Coriariaceae | *Coriaria nepalensis* Wall | Medicine | [20] | *Blumea lanceolariia* (Roxb.) Druce. | Vegetables | [24] |
| Cucurbitaceae | *Coccinia grandis* (Linnaeus) Voigt | Fruits | [19] | *Bulmea fistulosa* Kurz | Medicine | [10] |
| *Cucumis melo* Linn. | Fruits | [17,24] | *Chromolaena odorata* (L.) King & Robinson | Medicine | [21,33,39] |
| *Cucumis sativus* Linn. | Vegetables | [17,24,31,54] | *Chrysanthemum indicum* L. | Medicine | [21,89] |
| *Cucurbita maxima* Duchesne in Lamk. | Fruits | [17,24] | *Cirsium interopositum* | Vegetables | [31] |
| *Cucurbita moschata* Duchesne | Vegetables | [24,31] | *Cirsium lapskyle* Petral. | Medicine | [33] |
| *Cucurbita pepo* DC. | Vegetables | [24] | *Crassocephalum crepideoides* (Benth.) S. Moore | Vegetables, Medicine | [17,19-25,31,33,39] |
| *Gynostemma pedata* Blume. | Medicine | [19,22,23,31] | *Crepis japonica* Benth | Vegetables | [39] |
| *Hodgsonia heterocilita* Hk.f & Th. | Others (Alternate food) | [36] | *Cyanthillium cinereum* (Linnaeus) H. Robinson | Medicine, Vegetables, Others (Salt) | [19,31] |
| *Lagenaria vulgaris* Ser. | Vegetables | [17,24] | *Dichrocephala bicolor* (Roth) Schltdl. | Vegetables, Medicine | [23,33] |
| *Laginaria siceraria* (Molina) Standl. | Medicine | [33] | *Dichrocephala latifolia* DC. | Vegetables | [24] |
| *Luffa aegyptiaca* Mill. | Vegetables | [24] | *Eclipta prostrata* (L.) L. | Medicine | [23,33] |
| *Melothria heterophylla* (Lour.) Cogn. | Fruits, Medicine | [23] | *Emilia sonchifolia* DC. | Vegetables | [24] |
| *Momordica charantia* Linn. | Vegetables, Medicine | [24,35,54] | *Erigeron bonariensis* Hort. ex Link | Medicine | [21,23,33,39] |
| *Momordica cochinchinensis* (Lour.) Sprieng. | Vegetables | [24] | *Eupatorium odoratum* L. | Medicine | [33] |
| *Trichosanthes anbuina* Linn. | Vegetables | [24] | *Galinsoga parviflora* Cav. | Vegetables, Others (Fodder) | [20,24] |
| *Trichosanthes bracteata* (Lam.) | Others (Poison) | [23] | *Gerbera pilosellioides* (L.) Cass*.* | Medicine | [21,33] |
| *Trichosanthes cordata* Roxb. | Fruits, Medicine | [32,36] | *Gnaphalium affine* D. Don | Medicine, Energy | [17,19,21,23,39] |
| *Trichosanthes dioca* Roxb. | Vegetables | [24] | *Gnaphalium pensylvanicum* Willd | Vegetables | [25] |
| *Trichosanthes tricuspidata* Lour. | Medicine | [9,19,20,23,29] | *Gynura bicolor* (Roxb. ex Willd.) DC. | Medicine | [20,33] |
| *Trichosanthes tricuspis* Miq. | Medicine | [29] | *Gynura crepedioides* (BTH.) Moore | Vegetables, Medicine | [35] |
| *Hodgsonia macrocarpa* (Bl) Cogn. | Fruits | [20] | *Gynura cusimbua* (D. Don) S. Moore. | Medicine, Vegetables | [22,23,25,37] |
| *Luffa acutangula* (Linn.) Roxb | Vegetables, Medicine | [24,38] | *Gynura nepalensis* DC. | Medicine | [33] |
| Datiscaceae | *Tetrameles nudiflora* R. Br. | Medicine | [15] | *Laggera pterodonta* (DC.) Sch.-Bip. ex Oliver | Medicine | [2,21] |
| Fabaceae | *Abrus precatorius* L. | Medicine | [28] | *Mikania macrantha* H.B.K. | Medicine | [9,19,22,23,32,33,36] |
| *Acacia rugata* (Lamk.) Viogt | Others (Alternate food) | [39] | *Mikania scandens* Willd. | Medicine | [8,21] |
| Albizia lebbeck (L.) Benth. | Vegetables, Medicine | [20] | *Senecio raphanifolius* Wall. ex DC. | Medicine | [20] |
| *Albizia procera* Benth. | Vegetables | [25] | *Solidago virgaurea* L. | Medicine | [37] |
| *Bauhinea variegata* L. | Vegetables, Medicine | [15,17,21,23,24,39] | *Sonchus arvensis* Linn. | Medicine, Vegetables | [12,17,33] |
| *Bauhinia purpurea* L. | Medicine, Vegetables, Shelter | [2,12,15] | *Sonchus asper* (L.) Hill | Medicine | [33] |
| *Bauhinia wallichii* Macbr. | Vegetables | [24] | *Sonchus brachyotus* DC. | Medicine, Vegetables | [19,23] |
| *Cajanus cajan* (L.) | Fruits | [24] | *Sonchus oleraceus* L. | Medicine, Vegetables | [23] |
| *Canavalia insiformis* (L.) DC. | Fruits | [24] | *Sonchus sp* | Medicine | [32] |
| *Cassia alata* Linn | Medicine | [21,89] | *Spilanthes oleracea* Murr. | Vegetables, Medicine | [24,35] |
| *Cassia fistula* Linn. | Medicine | [38] | *Spilanthes paniculata* Wall. ex DC. | Medicine, Vegetables | [8,10,12,17,20,22,23,26,33,36,38,54,87] |
| *Cassia mimosoides* L. | Medicine | [20] | *Spilanthus acmella* L. | Medicine | [8,21] |
| *Cassia nodosa* Buch.Ham.ex, Roxb. | Others (Alternate food) | [36] | *Spilanthus clava* L. | Medicine | [33] |
| *Cassia tora* Linn. | Medicine | [38] | *Vernonia cinerea* (L.) Less | Medicine, Others (Salt) | [23,33] |
| *Clitoria mariana* Linn. | Others (Dye) | [84] | *Anaphalis contorta* (D Don) Hk f | Medicine | [20] |
| *Codariocalyx motorius* (Houtt.) | Vegetables | [24] | *Anaphalis monocephala* DC. | Medicine | [27] |
| *Crotolaria pallida* Ait. | Medicine | [33] | *Cirsium falconeri* (Hk.f.)Petr. | Medicine | [20,27] |
| *Dalhausia bracteata* Grali. | Others (Wraper) | [2] | *Eupatorium cannabinum* L. | Vegetables, Medicine | [20] |
| *Desmodium multiflorum* DC. | Others (Dye) | [84] | *Inula cappa* (Buch.-Ham. Ex D. Don) DC. | Others (Fodder) | [20] |
| *Dolichos lablab* Linn. | Vegetables | [54] | Campanulaceae | *Campanula latifolia* Linn. | Medicine | [27] |
| *Erythrina stricta* Roxb. | Vegetables, Medicine, Shelter | [2,15,21,24,25,89] | *Lobelia sinensis* L | Medicine | [38] |
| *Flemingia macrophylla* (Willd.) Prain. | Medicine | [20,84] | Caprifoliaceae | *Morina longifolia* Wall. ex DC. | Medicine | [27] |
| *Gleditsia assamica* Bor | Medicine | [7] | *Nardostachys jatamansi* DC. | Medicine | [20,28,34] |
| *Glycine max* (L.) Merr. | Fruits | [2,24] | *Sambucus hookeri* Rehder | Fruits, Medicine | [20] |
| *Gymnocladus assamicus* P.C. Kanjilal | Others (Veterinary, Detergent) | [20,35] | *Valeriana hardwickii* Wall. | Medicine | [28] |
| *Indigofera tinctoria* Linn. | Medicine | [33,84] | *Valeriana jatamansii* Jones | Medicine, Others (Incense) | [20,22] |
| *Lathyrus sativus* Linn. | Vegetables | [24] | *Viburnum erubescens* Wall | Medicine | [20] |
| *Millettia cinerea* Benth | Others (Rope) | [23] | *Viburnum foetidum* Wall | Fruits | [19,20,31] |
| *Mimosa pudica* L. | Medicine | [8,21] | Apiacaee | *Coriandrum sativum* Linn. | Vegetables, Others (Spice) | [24,54] |
| *Mitracarpus verticillatus* Schum. & Thom. | Vegetables | [24] | *Oenanthe javanica* (Blume) DC. | Vegetables, Medicine | [17,19,20,22-25,31,33] |
| *Mucuna pruriens* (L.) DC. | Medicine | [21,33] | *Centela asiatica* (L.)Urban | Medicine, Vegetables | [8,19,21-26,29,31-33,35-38,87,89] |
| *Parkia roxburghii* G.Don. | Vegetables | [24] | *Centella sp.* Linn. | Medicine | [29] |
| *Parkia timoriana* (A. DC.) Merr. | Medicine | [15] | *Eryngium foetidum* Linn | Vegetables, Medicine, Others (Spice) | [9,21,23,24,32,33,36,39,54] |
| *Phaseolus vulgaris* (Beans) | Vegetables | [17,24] | *Hydrocotyle javanica* Thunb. | Vegetables, Medicine | [19,22,31,33] |
| *Pisum sativum* Linn. | Vegetables | [54] | Araliaceae | *Aralia arnata (G.Don)* Seen | Vegetables | [24] |
| *Senna alata* (L.) Roxb. | Medicine | [33] | *Panax bipinnatifidus* Seem. | Medicine | [20] |
| *Senna tora* (L.) Roxb*.* | Medicine | [33] | *Panax pseudoginseng* Wall. | Medicine | [27,28,31] |
| *Tamarindus indica* Linn. | Medicine, Vegetables | [9,12] | *Panax wangianus* S.C. Sun | Medicine | [20] |
| *Tephrosia candida* (Roxb.) D.C | Others (Dye) | [84] | *Schefflera elliptica* (Blume) Harms. | Fruits | [31] |
| *Uraria rufescens* (DC.) Schindl. | Medicine | [20] | *Schefflera glomerata* L. | Medicine | [33] |
| *Butea minor* Baker | Medicine | [20] | *Trevesia palmata* Vis. | Vegetables | [17,25] |
| *Caesalpinia bonducella* Flem. | Medicine | [28] | *Brassaiopsis glomerulata* (Blume) Regel | Medicine, Fruits | [20,24,33] |
| *Derris scandens* (Roxb.) Benth. | Others (Poison) | [35] | *Hedera nepalensis* K. Koch | Medicine | [20] |
| *Desmodium confertum* DC | Vegetables | [20] | *Hydrocotyle himalaica* P.K. Mukh. | Vegetables | [20] |

**Table 2b:** Non-flowering plants used as NTFP are arranged group wise.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Group/Family** | **Scientific name** | **Use** | **Reference** | **Group/Family** | **Scientific name** | **Use** | **Reference** |
| **Algae** |  |  |  | Usneaceae | *Usnea baileyi* (Stirt.) Zahlbr. | Medicine | [20] |
| Prasiolaceae | *Prasiola crispa* (Lightfoot) Kutzing | Vegetables | [20] | **Bryophytes** |  |
| **Fungi** |  | Lycopodiaceae | *Lycopodium clavatum* L | Others (Rituals) | [39] |
| Agaricaceae | Agaricus sp. | Vegetables | [20] | **Pteridophyte** |  |  |  |
| Amanitaceae | *Termitomyces clypeatus* Heim | Vegetables | [20] | Angiopteridaceae | *Angiopteris evecta* (Forst.) Hoffm. | Vegetables, Medicine, Others (Salt) | [9,19,36,32,33,87] |
| Amanitaceae | Amanita sp. | Vegetables | [20] | Aspleniaceae | *Asplenium phyllitidis* D. Don | Medicine | [21,39] |
| Auriculariaceae | *Auricularia auricular-judae* (Bull: Fr.) Wettst | Vegetables | [20] | Aspleniaceae | *Asplenium nidus* L. | Medicine | [9,33] |
| Bolbitiaceae | *Agrocybe cylindracea* (Dcex Fr) Maire | Vegetables | [20] | Athyriaceae | *Diplazium esculentum* (Retz) Sw. | Vegetables, Medicine | [9,17,19,20,23,25,31-33,37,38,87] |
| Boletaceae | *Boletus edulis* (Steinpilz) Speisewert | Vegetables | [20] | Cyatheaceae | *Cyathea andersonii* (Schott, ex Bedd.) Copel | Others (Alternate food) | [39] |
| Cantharellaceae | *Cantharellus sp* | Vegetables | [19] | Cyatheaceae | *Cyathea spinulosa* Wall, ex Hook. | Others (Fodder) | [39] |
| Cantharellaceae | *Cantharellus cibarius* Fr. | Vegetables | [20] | Cyatheaceae | *Cyathea gigantea* Wall. ex Hook. | Medicine, Vegetables, Others (Fodder) | [19,20,33] |
| Clavariaceae | *Ramaria apiculata* (Fr.) Donk | Vegetables | [20] | Equisetaceae | *Equisetum ramossissium* (Roxb. ex DC.) | Others (Rituals) | [39] |
| Clavicipitaceae | *Ophiocordyceps sinensis* (Berk) | Medicine | [20] | Gleicheniaceae | *Dicranopteris linearis* (Burm. f.) Und. | Medicine, Vegetables, Others (Wraper) | [31,33,36,39] |
| Coprinaceae | *Coprinus atramentarius* (Bull.) Fries | Vegetables | [20] | Lindsaeceae | *Sphenomeris chinensis* (L.) Maxon | Medicine | [33] |
| Hericiaceae | *Hericium erinaceus* (Bull. Ex.Fr.) Pers | Vegetables | [20] | Pteridaceae | *Pteridium aquilinium* (L) Wild. | Vegetables | [36] |
| Mycenaceae | *Mycena pura* (Pers. Ex Fr) Kumm. | Vegetables | [20] | Pteridaceae | *Pteridium revolutum* (Blume) Nakai | Medicine | [22] |
| Pleurotaceae | *Pleurotus sps.* | Vegetables | [19] | Schizaeaceae | *Lygodium scandens* (L.) Sw. | Medicine | [33] |
| Polyporaceae | *Laetiporus sulphureus (*Bull. ex Fr.) Murr. | Vegetables | [20] | Selaginelaceae | *Selaginella biformis* Br. ex Kuhn. | Vegetables | [24] |
| Polyporaceae | *Lentinus lepideus* (Fries. ex Fries.) Fries. | Vegetables | [20] | Thelypteridaceae | *Christella parasitica* (L.) Lev. | Medicine | [33] |
| Russulaceae | *Russula emetica* (Schaeff. Ex Fr) S.F. Gray | Vegetables | [20] | Thelypteridaceae | *Cyclosorus glandulosus* (Blum) | Others (Rituals) | [23] |
| Schizophyllaceae | *Schizophyllum commune* Fries | Vegetables | [20] | Thelypteridaceae | *Cyclosorus parasiticus* (L.) Farwell. | Medicine | [9,21,39] |
| Tricholomataceae | *Pleurotus ostreatus* (Jacquin ex. Fr) Kumm. | Vegetables | [20] | **Gymnosperm** |  |
| Tricholomataceae | *Pleurotus pulmonarius* (Fr.) Quel. | Vegetables | [20] | Cupressaceae | *Juniperus squamata* Buch Ham ex D. Don | Others (Incense) | [20] |
| Tricholomataceae | *Pleurotus sajor-caju* (Fr.) Sing. | Vegetables | [20] | Cupressaceae | *Thuja occidentalis* Linn. | Others (Rituals) | [35] |
| **Lichen** |  | Cupressaceae | *Juniperus recurva* Buch-Ham. ex D.Don | Others (Incense) | [20] |
| Lobariaceae | *Lobaria isidiosa* (Mull. Arg.) Vain | Medicine | [20] | Pinaceae | *Pinus longifoiia* Roxb | Others (Rituals) | [35] |
| Peltigeraceae | *Peltigera polydactyla* (Neck.) Hoffm. | Medicine | [20] | Pinaceae | *Pinus roxburghii* Sarg. | Medicine, Energy | [20,33] |
| Permeliaceae | *Everniastrum cirrhatum* (Fr.)Hale ex Sipman | Vegetables, Medicine | [20] | Pinaceae | *Pinus wallichiana* A.B. Jackson | Medicine, Energy, Others (Dye) | [19,20,23,31,35] |
| Permeliaceae | *Everniastrum nepalense* (Taylor) Hale ex Sipman | Others (Dye) | [20] | Pinaceae | *Tsuga dumosa* (D.Don) Eichler | Medicine | [20] |
| Permeliaceae | *Parmotrema tinctorum* (Nyl.) Hale | Others (Dye) | [20] | Taxaceae | *Taxus baccata* (Zucc.) Pilger | Medicine | [28] |
| Ramaliaceae | *Ramalina himalayensis* Rasanen | Vegetables | [20] | Taxaceae | *Taxus wallichiana* Zucc. | Medicine, Others (Fodder, Fish poison) | [20,22,31,34] |

**Table 3:** Medicinal plants categorized by number of tribes using them (High demand 10 or more tribes, Moderate demand 5-9 tribes, Limited demand <5 tribes).

|  |  |  |  |
| --- | --- | --- | --- |
| **High demand (12)** | **High demand (10)** | **Moderate demand (8)** | **Moderate demand (7)** |
| *Ageratum conizoides* | *Clerodendron colebrookianum* | *Centella asiatica* | *Acorus calamus* |
|  | *Houttuynia cordata* | *Zanthoxylum armatum* |  |
| *Spilanthes paniculata* |  |
| **Moderate demand (6)** | **Moderate demand (5)** | **Limited demand (4)** | **Limited demand (3)** |
| *Gynocardia odorata* | *Andographis paniculata* | *Amaranthus spinosa* | *Alstonia scholaris* |
| *Paedaria foetida* | *Costus speciosus* | *Artemisia nilagirica* | *Angiopteris evecta* |
| *Zingiber officinale* | *Curcuma caesia* | *Begonia roxburghii* | *Artemisia indica* |
|  | *Dillenia indica* | *Carica papaya* | *Bidens pilosa* |
| *Oroxylum indicum* | *Citrus medica* | *Callicarpa arborea* |
| *Piper nigrum* | *Clerodendrum serratum* | *Canabis sativa* |
|  | *Colocasia esculenta* | *Crassocephalum crepideoides* |
| *Coptis teeta* | *Curcuma longa* |
| *Diplazium esculentum* | *Cuscuta reflexa* |
| *Drymaria cordata* | *Dioscorea bulbifera* |
| *Garcinia pedunculata* | *Elaeagnus pyriformis* |
| *Gynura cusimbua* | *Eryngium foetidum* |
| *Litsea cubeba* | *Hedyotis scandens* |
| *Musa paradisiaca* | *Melastoma malabathricum* |
| *Oxalis corniculata* | *Ocimum sanctum* |
| *Plantago major* | *Paederia scandens* |
| *Psidium guajava* | *Piper brachystachyum* |
| *Solanum indicum* | *Piper mullesua* |
| *Trichosanthes tricuspidata* | *Piper pedicellatum* |
|  | *Rhus semialata* |
| *Solanum khasianum* |
| *Solanum torvum* |
| *Terminalia arjuna* |
| *Tinospora cordifolia* |
| *Zanthoxylum rhesta* |

**Table 4:** Fruit plants categorized by number of tribes using them (High demand 10 or more tribes, Moderate demand 5-9 tribes, Limited demand <5 tribes).

|  |  |  |  |
| --- | --- | --- | --- |
| **Moderate demand (8)** | **Moderate demand (5)** | **Limited demand (4)** | **Limited demand (3)** |
| *Rubus ellipticus* | *Castanopsis indica* | *Citrus medica* | *Actinidia callosa* |
|  | *Prunuspersica* | *Elaeagnus latifolia* | *Canarium strictum* |
|  | *Quercus griffithii* | *Dillenia indica* |
| *Ziziphus mauritiana* | *Elaeocarpus floribundus* |
|  | *Ficus auriculata* |
| *Mangifera indica* |
| *Melastoma malabathricum* |
| *Musa vellutina* |
| *Osbeckia nepalensis* |
| *Persea fruticosa* |
| *Pinanga gracilis* |
| *Pyrus pashia* |
| *Rubus lineatus* |
| *Rubus niveus* |
| *Solanum nigrum* |

**Table 5:** Vegetable plants categorized by number of tribes using them (High demand 10 or more tribes, Moderate demand 5-9 tribes, Limited demand <5 tribes).

|  |  |  |
| --- | --- | --- |
| **Moderate demand (9)** | **Moderate demand (8)** | **Moderate demand (6)** |
| *Clerodendron colebrookianum* | *Colocasia esculenta* | *Spilanthes paniculata* |
|  | *Houttuniya cordata* |  |
| **Moderate demand (5)** | **Limited demand (4)** | **Limited demand (3)** |
| *Dioscorea bulbifera* | *Calamus tenuis* | *Amaranthus spinosus* |
| *Diplazium esculantum* | *Centella asiatica* | *Amaranthus viridis* |
| *Fagopyrum esculantum* | *Crassocephalum crepideoides* | *Angiopteris evecta* |
| *Piper pedicellatum* | *Dendrocalamus hamiltonii* | *Begonia palmata* |
| *Solanum nigrum* | *Ipomea batatas* | *Calamus flagellum* |
|  | *Oenanthe javanica* | *Cardamine hirsuta* |
| *Paedaria foetida* | *Cucumis sativa* |
| *Polygonum chinense* | *Dioscorea deltoidea* |
|  | *Manihot esculenta* |
| *Musa vellutina* |
| *Mycena pura* |
| *Oxalis corniculata* |
| *Portrulaca oleracea* |
| *Pouzolzia sanguinea* |
| *Solanum indicum* |
| *Solanum torvum* |

**Table 6:** List of high and moderate demand medicinal plants (NTFP), their properties, uses and important phytochemicals.

|  |  |  |  |
| --- | --- | --- | --- |
| **Scientific name and family** | **properties/Uses/ailments** | **Phytochemical compounds reported** | **Reference** |
| *Acorus calamus* Linn.(Acoraceae) | Sedative, laxative, carminative, stroke, insecticidal, antibacterial and antifungal. cough, bronchitis, gout, inflammation, convulsions, depression and other mental disorders, tumors, haemorrhoids, skin diseases, numbness and general debility. | A-asarone, P-asarone, eugenol, triploid and tetraploid A. Saponins, alkaloids, tannins, sugars and gums and mucilages. Polyphenolic and flavonoids, tannic acid, Pyrogallic acid, and Querctin. | [21,90,91] |
| *Ageratum conyzoides* Linn.(Asteraceace) | Wound healing, antihelmintic, diabetes, inflammations, spasm, headaches, cancers. | Chromene, chromone, monoterpenes (P-pinene, linalools, sabinene), sesquiterpene, flavonoides, alkaloids. Terpenoids, steroids. | [21,92,93,94] |
| *Andrographis paniculata* (Burm. f) Wall. ex. Nees.(Acanthaceae) | Malaria, jaundice, liver tonic, respiratory problems, stomach disorder, rheumatism, ulcerative colitis | Andrographolide, andrographine, neoandrographolide, panicoline, paniculide A and B and C, 14-deoxy-11- dehydroandrographo-lide. | [21] |
| *Centella asiatica* (L.)Urban(Apiaceae) | Fresh plant juice with honey is given in stomach ulcer, leprosy etc. | Pentacyclictriterpenoids, asiaticoside, brahmoside, Asiatic acid, brahmic acid etc | [21] |
| *Clerodendron colebrookianum* Walp*.* (Verbenaceae) | Hypertension, diabetes and gastrointestinal tract disorders,rheumatism, asthma and inflammatory diseases. | Flavonoid, alkaloid, saponin, tannin, terpenoid, steroid, anthroquinones, carbohydrates, cardiacglycosides, carotenoids, coumaringlycosides, phenols, phytosteroids. | [94-98] |
| *Costus specious* (J.Kong) Sm(Zingiberaceae) | Antibacterial, antifungal, anticholineesterase, antioxidant, antihyperglycemic, antiinflammatory, analgesic, antipyretic, antidiuretic, larvicidal, antistress and estrogenic activity | Saponin (diosgenin, sapogenin, tigogenin) steroids and alkaloids, diosgenin, 5α-stigmast-9(11)-en-3β-ol, sitosterol-β-D-glucoside, dioscin, prosapogenins A and B of dioscin, gracillin, quinones, α-tocopherol, tricontanoic acids, curcumin and tricontanol, aliphatic hydroxyl ketones, triterpenes, starch mucilage, oxa-acids, fatty acids, abscisic acid and corticosteroids, tigogenin and diosgenin, α-amyrin stearate, β-amyrin and lupeol palmitates, palmitic acid, stearic acid, oleic acid, linoleic acid, arachidic acid, gadoleic acid and behenic acid, diosgenin, glucose, galactose and rhamnose, quinones, dihyrophytilplastoquinone and its methyl derivatives including α-tocopherolquinone, diosgenone, prosapogenins B of dioscin, cycloartanol, 25-en-cycloartenol andoctacosanoic acid along with diosgenin, tetradecyl 13-methylpentadecanoate, tetradecyl -11-methyltridecanoatc, 14-oxotricosanoic acid, 14-oxoheptacosanoic acid and 15-oxooctacosanoic acid. | [99-106] |
| *Curcuma caesia* Roxb.(Zingibaraceae) | Leucoderma, asthma, tumours, piles, bronchitis, bruises, muscle relaxant activity, haemorrhoids,leprosy, asthma, cancer, epilepsy, fever, wound, vomiting, menstrual disorder,anthelmentic, aphrodisiac, inflammation, gonorrhoeal discharges, etc. | Alkaloids, phenols, phytosterols, terpenoids, carbohydrates, tannins, glycosides, saponins, quinones, amino acids, oils and flavonoids | [107-108] |
| *Dillenia indica* Linn(Dillenaceae) | Inhibitory activity, cytotoxicity, antiallergic activity, hypotriglyceridemic activity, brine-shrimp lethal activity, | Diterpene, dipoloic acid, kaempferol, quercetin, betulin, betulinic acid, mallicacid, free amino acid | [21] |
| *Gynocardia odorata* R. Br.(Flacourtaceae ) | Leprosy, toothache, lupus, scrofula and many skin diseases | Flavonoides, protein, fixed oil, tannins, alkaloids, glycosides, carbohydrate, triterpenoides, saponins | [21] |
| *Houttunyia cordata* Thunb. (Saururaceae) | Measles, gonorrhoea, skin troubles, anti-tumour, anti-cancer, pneumonia, bronchitis, stomach ulcer. | Houttuynoside A (1) and A (2), quercitrin, kaempferal, esters, quercetin, nonanol, bornyl acetate, lauraldehyde, sterol glycoside clerosterol 3β-o-[β-d-glucoside along with clerosterol, sitosterol, octacosanol and fatty acids. | [21] |
| *Oroxylum indicum* Vent.(Bignoniaceae) | Enterokinase inhibitory activity, CNS depressant and analgesic activity. | Baicalein, oroxylin, chrysin, apagenin, oroxindin, ellagic acid, aloe-emodin,anthraquinone, prunetin,biochanin A. | [21] |
| *Paederia foetida* Linnaeus (Rubiaceae) | Rheumatism and gout, emetic, astringent, gastritis, body pain, for active digestion | Iridoid glycoside, asperuloside, scandoside, paederoside, linalool, ceryl alcohol, benzo- furan, campesterol, epifriedelinol. | [21] |
| *Piper nigrum L.* (Piperaceae) | Antihypertensive, antiplatelet, antioxidant, antitumor, anti-asthmatics, analgesic, anti-inflammatory, anti-diarrheal, antispasmodic, antidepressants, immunomodulatory, anticonvulsant, anti-thyroids, antibacterial, antifungal, hepato-protective, insecticidal and larvicidal activities etc. | Phenolics, flavonoids, alkaloids, amides and steroids, lignans, neolignans, terpenes, chalcones, Brachyamide B, Dihydro-pipericide, (2E,4E)-N-Eicosadienoyl-pereridine, N-trans-Feruloyltryamine, N-Formylpiperidine, Guineensine, pentadienoyl as piperidine, (2E,4E)-Nisobuty- ldecadienamid, isobutyl-eicosadienamide, Tricholein, Trichostachine, isobutyl-eicosatrienamide, Isobutyl-octadienamide, Piperamide, Piperamine, Piperettine, Pipericide, Piperine, Piperolein B, Sarmentine, Sarmentosine, Retrofractamide A. | [109] |
| *Spilanthes paniculata* Wall. ex DC.(Asteraceae) | Toothache and throat infection, antimicrobial, antipyretic, anti-inflammatory, and antiemetic agent, antiproliferative. | Alkaloids, gums and carbohydrates, reducing sugars, terpenoids and tannins, cardiac glycosides and flavonoids, | [110-113] |
| *Zanthoxylum armatum* DC.(Rutaceae) | Seed and bark are used as tonic during fever and cholera, stomach disorder. | Aliphatic and aromatic amides, alkaloids like benzophenanthridines, furoquinolines (dictamine), carbazoles, berberine, acridones, lignansesamin. | [21] |
| *Zingiber officinale* Rose.(Zingiberaceae) | Stomach pain, carminative, stimulant, cough | Zingiberene, cineol, citral, P-phellandrene, gingerols, shogaols, zingerone. | [21] |

**Table 7:** List of species of Non Timber Forest Products which are either locally marketed or sent to markets outside the districts of origin (Externally Marketed).

|  |  |  |  |
| --- | --- | --- | --- |
| **Locally marketed** | **Locally marketed** | **Locally marketed** | **Externally marketed** |
| *Acmella paniculata* (Wallich ex DC.) R.K. Jansen | *Cymbidium alloifolium* (L.) Sw. | *Perilla frutescens* (Linnaeus) Britton | *Acorus calamus* Linn. |
| *Acorus calamus* Linn. | *Cyphomandra betacea* (Cav.) Miers. | *Perilla ocymoides* Linn. | *Allium hookeri* Thwaites |
| *Actinidia callosa* Lindl. | *Dendrobium densiflorum* Lindl. | *Phobe cooperiana* U.N Kanjilal ex A. Das | *Allium tuberosum* Rottler ex Sprengel |
| *Actinidia chinensis*Lindley | *Dendrocalamus hamiltonii* Nees & Arnott ex Munro | *Phoebe goalparensis* Hutchinson | *Amomum maximum* Roxb. |
| *Agaricularia* sp. | *Dicranopteris linearis* (Burm. f.) Und. | *Phoenix sylvestris* (L.) Roxb. | *Aquilaria malaccensis* Lam |
| *Agaricus* sp. | *Dillenia indica* Linn | *Phyllanthus* sp | *Bambusa tulda* Roxb. |
| *Allium hookeri* Thwaites | *Dioscorea alata*Linn | *Phyllostachys bambusoides* Siebold and Zucc. | *Calamus flagellum* Griff |
| *Allium* sp. | *Dioscorea bulbifera* Linn | *Phyllostachys manii* Gamble | *Calamus floribunda* Griff |
| *Allium tuberosum* Rottler ex Sprengel | *Dioscorea deltoidea* Wall. ex Kunth. | *Pinus roxburghii* Sarg. | *Calamus latifolius* Roxb. |
| *Alnus nepalensis* D. Don | *Dioscorea hamiltonii* Hook. f. | *Pinus wallichiana* A.B. Jackson | *Chimonocalamus griffithianus* (Munro) Hsueh & T.P. Yi |
| *Alocasia macrorrhiza* Schott | *Diplazium esculantum* (Retz) Sw. | *Piper betel* Linn | *Cinnamomum* sp*.* |
| *Alpinia malaccensis* (Brum.f.)Rosc. | *Docynia indica* Decne. | *Piper brachystachyum* Wall. | *Cinnamomum tamala* (Buch-Ham.) Nees & Ebern. |
| *Amaranthus spinosus*Linn. | *Dolichos lablab* Linn. | *Piper longum* L. | *Cornus capitata* Wall |
| *Amaranthus tricolor* Linn. | *Duchesnea indica* (Andrews) Focke | *Piper pedicellatum* C.DC. | *Cyanthillium cinereum* (Linnaeus) H. Robinson |
| *Angiopteris evecta* (Forst.) Hoffm. | *Elaeagnus latifolia* L. | *Pisum sativum* Linn. | *Cyathea* gigantea Wall. ex Hook. |
| *Bambusa pallida* Munro | *Elaeagnus pyriformis* Hk. f. | *Plantago erosa* Walliach | *Dendrocalamus hamiltonii* Nees & Arnott ex Munro |
| *Bambusa* sp. | *Elaeocarpus floribundus* Blume | *Polygonum hydropiper* Linn | *Dillenia indica* Linn |
| *Bambusa tulda* Roxb. | *Elatostema platyphyllum* Wedd | *Pouzolzia bennettiana* Wight | *Dioscorea bulbifera* Linn |
| *Bidens pilosa* Linn. | *Elatostema sessile* Frost. | *Pouzolzia hirta* (Bl.) Hassk. | *Diospyros peregrine* (Gaertn.) Gurke |
| *Brassica campestris* Linn. | *Emblica officinalis* Gaertn. | *Prunus avium* L. | *Emblica officinalis* Gaertn. |
| *Brassica juncea* Linn. | *Ensete superbum* Cheesman | *Prunus persica* (Linnaeus) Stokes | *Ensete superbum* Cheesman |
| *Calamus acanthospathus* Griff | *Eremocaulon capitatum* (Trinius) Londono | *Prunus rufa* (Wall.) Steud. | *Ficus roxburghii* Wall. |
| *Calamus erectus* Roxb. | *Eryngium foetidum* Linn | *Psidium guajava* Linn | *Houttuynia cordata*Thunb. |
| *Calamus flagellum* Griff | *Fagopyrum esculentum* (L) Moench. | *Pteris wallichiana* J. Agardh | *Illicium griffithii* Hook.f. & Thoms. |
| *Calamus floribunda* Griff | *Ficus auriculata* Lour. | *Pyrus pashia*D.Don. | *Litsea cubeba*(Lour.) Pers. |
| *Calamus gracilis* Roxb. | *Ficus hirta* Vahl | *Quercus dealbata* Hook. f. | *Panax bipinnatifidum* Seem. |
| *Calamus* sp. | *Ficus roxburghii* Wall. | *Quercus incana* Roxb. | *Panax pseudoginseng*Wall. |
| *Capsicum chinense* Jacq. | *Gonostegia hirta* (Blume ex Hasskarl) Miquel | *Rhododendron arboreum* Smith | *Paris polyphyla*Smith |
| *Capsicum frutescens* Linn. | *Gymnocladus assamicus* P.C. Kanjilal | *Rhus semialata*Murr. | *Passiflora sp* |
| *Cardamine hirsuta* Linn. | *Gymnostemma pedata* Blume. | *Rubia cordifolia* Linn. | *Phoebe lanceolate* (Nees) Nees. |
| *Carica papaya* Linn. | *Houttuynia cordata* Thunb. | *Rubus niveus*Thunberg | *Rubia manjth* Roxburgh ex Fleming |
| *Cassia obtusifolia* Linn. | *Hydrocotyle javanica*Thunb. | *Sageretia filiformis*(Roth) G. Don | *Solanum torvum*Swartz. |
| *Castanopsis hystrix* Hooker f. & Thomson ex A. DC. | *Illicium griffithii* Hook.f. & Thoms. | *Schefflera elliptica* (Blume) Harms. | *Spilanthes paniculata* Wall. ex DC. |
| *Centella asiatica* (L.) Urban | *Imperata sp.* | *Solanum indicum* Linn. | *Swertia chirayita* (Roxb. ex Fleming) Karsten |
| *Cerasus cerasoides* (Buchanan- Hamilton ex D. Don) S. Y. Sokolov | *Juglans regia* Linn. | *Solanum kurzi* Brace ex Prain | *Syzygium cumini* (L.) Skeels |
| *Chimonocalamus griffithianus*(Munro) Hsueh & T.P. Yi | *Juniperus recurva* Buch-Ham. ex D.Don | *Solanum melongena* Linn. | *Taxus wallichiana* Zucc. |
| *Choerospondias axillaris*(Roxburgh) B.L. Burtt & A.W. Hill | *Juniperus squamata* Buch Ham ex D. Don | *Solanum myricanthum*Dunal | *Thysanolaena maxima*Kuntze |
| *Cinnamomum tamala*(Buch-Ham.) Nees & Ebern. | *Litchi chinensis* Sonnar. | *Solanum nigrum* Linnaeus | *Zanthoxylum armatum* DC. |
| *Cinnamomum verum*J.Presl | *Litsea citrata* Blume | *Solanum spirale* Roxb. | *Zanthoxylum oxyphyllum* Edgew. |
| *Cirsium interopositum* Linn | *Litsea cubeba* (Lour.) Pers. | *Solanum torvum* Swartz. | *Zizyphus mauritiana* Lam. |
| *Citrus aurantifolia* Swingle | *Livistona jenkinsiana* Griff. | *Spilanthes acmella* L. | *-* |
| *Citrus aurantium* Linn | *Magnolia champaca* (Linnaeus) Bailon ex Pierre | *Spilanthes calva* L. | *-* |
| *Citrus lemon* (L.) Osbeck | *Magnolia oblonga* (Wallich ex Hooker f. & Thomson) Figlar | *Spilanthes paniculata* Wall. ex DC. | *-* |
| *Citrus medica* Linn | *Malus sikkimensis* (Wenz.) Koehne | *Spondias axillaries* Roxb. | *-* |
| *Clerodendron colebrookianum* Walp | *Mangifera indica* Roxb. | *Syzygium cuminii* (L.) Skeels | *-* |
| *Clerodendrum glandulosum* Lindley | *Manihot esculenta* Crantz. | *Taxus wallichiana* Zucc. | *-* |
| *Clerodendrum infortunatum* L*.* | *Mentha arvensis*Linn. | *Termitomyces* sp*.* | *-* |
| *Clerodendrum japonicum* Thunb. | *Michelia champaca* Linn. | *Thuja occidentalis* Linn. | *-* |
| *Clerodendrum viscosum*Vent | *Momordica charantia*Linn. | *Wallichia densiflora* Mart | *-* |
| *Colocasia esculenta* (L.)Schott. | *Musa* sp. | *Zanthoxylum acanthopodium* DC. | *-* |
| *Coptis teeta* Wall. | *Musa velutina* Wendl. & Drude | *Zanthoxylum armatum* DC. | *-* |
| *Coriandrum sativum* Linn. | *Myrica esculenta* Buch- Ham ex D. Don | *Zanthoxylum rhetsa* DC. | *-* |
| *Cucumis sativus*Linn. | *Ocimum sanctum* Linn. | *Zingiber officinale* Rose. | *-* |
| *Cupressus torulosa* D.Don | *Oenanthe javanica* (Blume) DC. | *Zizyphus mauritiana* Lam | *-* |
| *Curcuma aromatica* Salisb. | *Oroxylum indicum* Vent. | *-* | *-* |
| *Cyanthillium cinereum* (Linnaeus) H. Robinson | *Panax* sp*.* | *-* | *-* |
| *Cyclosorus* sp. | *Passiflora edules* Sim. | *-* | *-* |