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Ayurveda Herbs in The Flora of Punjab (India) With Special Reference to *Bhavprakasha Nighantu* - A Review

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ABSTRACT

The relationship between the plants and the population is well evaluated with the help of a survey and a review. Plants have been used both in the prevention and cure of various diseases of humans as well as in animals. The plant-based traditional medical systems continue to provide primary health care to more than three-quarters of the world's population. In India, the use of plants for medicinal treatment dates back to around 5000 years. It was officially recognized that 6500 plant species have medicinal value while over 6000 plants are estimated to be explored in traditional, folk and herbal medicine. An important prerequisite for proper utilization of raw materials of the country is the survey of its natural resources and the preparation of an inventory. Punjab is the state of India which has a great potentiality both from the economic and botanical points of view. In ancient Indian medical science of *Ayurveda*, *Dravyaguna* part has the detail information of various plants belonging to herbal practices. However, the information about herbs available in Punjab State with reference to *Ayurveda* is not available. Therefore, the online screening was done to get the information about herbs present in the flora of Punjab. Further, these available herbs were classified in different *Varga* (class) with special reference to *Bhavprakasha Nighantu* (*Indian Materia Medica*). The literary screening concluded that there are around 322 herb species recommended as available *Ayurveda* herbs in the flora of Punjab.

Keywords: Flora, Punjab, *Ayurveda*, *Dravyaguna*, *Bhavprakasha*.

INTRODUCTION

Nowadays the use of plants as a healer has been getting the highest consideration. Medicinal plants play an important role in public health, especially in developing countries [1]. Available flora and fauna are the natural gifts to our country which we used according to need from ancient times. Flora also considered an economic source of any country and during a survey of flora, information collected from local people on the medicinal and economic important plants is also having great importance in building the nation. These days, ethnobotany has become a crucial area of research for development in resource management and biodiversity conservation. Ethnobotany provides us philosophical understanding and gratitude for the richness and intimacy of the relationship between humans and nature. Indigenous people, who live in harmony with nature, maintain a close link between humans and the environment. Various Indigenous *Ayurveda* herb species has been used by the local *Vaidya* and *Ayurveda* personnel in the treatment of human disease and disorders [2]. Nowadays, people are going back to nature with hope of safety and security to avoid the issues of side effects by modern medicines. The basic aim of this study is to evaluate the existing floral data of Punjab state so that one can get an idea about the approximate availability of plants in this particular geographic zone. And it can be utilized by local folk healers, trade dealers, and researchers in accordance with their area of interest and need. Punjab is a state which is blessed by five rivers giving scope for various plants to grow in precious and healthy soil as well as a healthy atmosphere.

Punjab (India)

Punjab is a state in northern India, forming part of the larger Punjab region. The state is bordered by the Indian states of Jammu and Kashmir to the north, Himachal Pradesh to the east, Haryana to the south and southeast, Rajasthan to the southwest, and the Pakistani province of Punjab to the west. The state capital is located in Chandigarh, a Union Territory and also the capital of the neighbouring state of Haryana. Punjab is in north-western India and has a total area of around 50,766 square kilometres. Punjab is bounded by Pakistan on the west, Jammu and Kashmir on the north, Himachal Pradesh on the northeast and Haryana and Rajasthan on the south as shown in Fig 1.

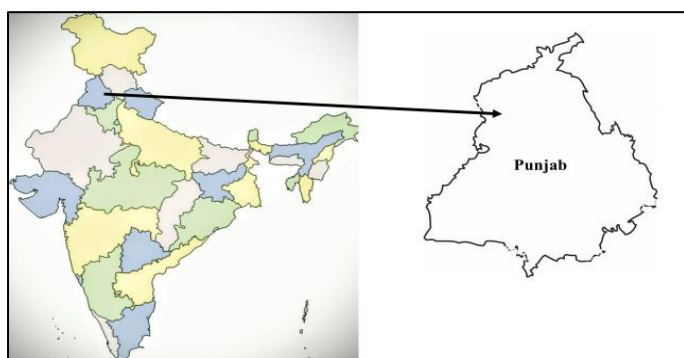


Figure 1: Map of Punjab State

Most of Punjab lies in a fertile, alluvial plain with many rivers and an extensive irrigation canal system. A belt of undulating hills extends along the north-eastern part of the state at the foot of the Himalaya. The southwest of the state is semi-arid, eventually merging into the Thar Desert. The Shiwalik Hills extend along the north-eastern part of the state at the foot of the Himalayas. The plains of Punjab do not have any thick forests. The only available flora is patches of grass, small bushes, and shrubs.

The major cultivation of rich flora and fauna can be seen in the Shiwalik ranges. Due to its rich flora and fauna, it has been termed a micro-endemic zone of India. There is a wide variety of angiosperms in the area, including 755 types of herbs, 70 types of trees, 70 types of shrubs of all sizes, 19 types of climbers, and 61 types of twines. Besides angiosperms, the region is home to 71 kinds of pteridophytes and 67 kinds of bryophytes, while a special species of gymnosperm named *Pinus roxburghii* Sarg. can be seen in the ranges of Punjab.

Some of the famous gardens containing various greenery in Sangrur, Aam Khas Bagh in Sirhind, Ram Bagh at Amritsar, Shalimar Garden in Kapurthala, Baradari Garden of Patiala and some others.^[3] However, the information about herbs of Punjab State with reference to *Ayurveda* is not available. Therefore, the online screening was done to get the information about the availability of the herbs in the flora of Punjab. A google search was done for the herbs in the flora of Punjab. Further, these enlist available herbs were classified into different *Varga* (class) with special reference to *Bhavprakash Nighantu* (*Indian Materia Medica*). The herbs were classified into different *Varga* on the basis of their *Latin* names, local names which were found from *Haritakyadi Varga* to last *Anekarthanama Varga* of *Bhavprakash Nighantu*.

DISCUSSION

Punjab and Chandigarh fall in the agro-climatic zone-VI, which is called “*Trans-Gangetic Plains Region*”. Most of the population of the state is agriculture-dependent, directly or indirectly. *Vacha* (*Acorus calamus* L.), *Brahmi* (*Bacopa monnieri* (L.) Wettst.), *Shankhapushpi* (*Convolvulus microphyllus* Sieber ex Spreng.), *Vidanga* (*Embelia ribes* Burm. f. / *Embelia tsjeriam – cottam* (Roem. & Schutt.) A. DC.), *Yashtimadhu* (*Glycyrrhiza glabra* L.), *Tulsi* (*Ocimum sanctum* L. Syn. *Ocimum tenuiflorum* L.), *Amlaki* (*Phyllanthus emblica* L.), *Guduchi* (*Tinospora cordifolia* (Willd.) Miers), *Ashwagandha* (*Withania somnifera* (L.) Dunal) are the medicinal herbs found in this agro-climatic zone.^[4] Various information available about the flora of Punjab but no any work has found with special reference to *Ayurveda*.^[5-7] Thus, an attempt was made to conduct a comprehensive review of online and offline published data on the flora of Punjab state and it was further categorically scrutinized to assess the wealth of medicinal plants found in this region as per the different *Vargas* (class) of *Bhavprakash Nighantu* and it is presented at the table no.1.

Table 1: Medicinal herbs found in flora of Punjab

Sr. No	Family	Latin name	Sanskrit name	Common name	Reference in Bha.Ni. (Varga) ^[16]
1	Acanthaceae	<i>Andrographis paniculata</i> (Burm.f.) Nees ^[8]	<i>Kalmegha</i>	Kalmegh	<i>Haritakyadi</i>
		<i>Barleria prionitis</i> L. ^[8]	<i>Sahachara</i>	Kala Bans	<i>Pushpa</i>
		<i>Blepharis edulis</i> (Forssk.) Pers. ^[7]	<i>Utangana</i>	Karadu	<i>Parishishta</i>
		<i>Adhatoda vasica</i> Nees ^[8] Syn. <i>Justicia adhatoda</i> L. ^[14]	<i>Vasa</i>	Vasak/ Adulasa	<i>Guduchyadi</i>
		<i>Justicia gendarussa</i> Burm.f. ^[8]	<i>Vasa (Krishna)</i>	Nili Nargandi	<i>Guduchyadi</i>
		<i>Barleria Lupulina</i> Lindl ^[8]	--	Kala Bans	<i>Pushpa</i>
2	Aizoaceae	<i>Trianthema portulacastrum</i> L. ^[12]	<i>Varshabhu</i>	Itsit	<i>Guduchyadi</i>
3	Amaranthaceae	<i>Achyranthes aspera</i> L. ^[8]	<i>Apamarga</i>	Chirchita	<i>Amradiphala</i>
		<i>Alternanthera sessilis</i> (L.) R.Br. ex DC ^[11]	<i>Matyakshi</i>	Gudari Saag	<i>Guduchyadi</i>
		<i>Celosia argentea</i> L. ^[7]	<i>Shitavar</i>	Surali	<i>Karpuradi</i>
		<i>Amaranthus polygamous</i> L. ^[10]	<i>Tanduliya</i>	Chaulai	<i>Shaka</i>
		<i>Amaranthus spinosus</i> L. ^[11]	<i>Tanduliya (Bheda)</i>	Chaulai	<i>Shaka</i>
4	Amaryllidaceae	<i>Crinum latifolium</i> L. ^[10]	<i>Sudarshana</i>		<i>Guduchyadi</i>
5	Anacardiaceae	<i>Mangifera indica</i> L. ^[9]	<i>Aamra</i>	Aam	<i>Amradiphala</i>
		<i>Spondias pinnata</i> (L.f.) Kurz ^[9]	<i>Amrataka</i>	Amada	<i>Amradiphala</i>
		<i>Lannea coromandelica</i> (Houtt.) Merr. ^[9]	<i>Jingini/ Gudamanjiri</i>	Jingan	<i>Vatadi</i>
6	Annonaceae	<i>Polyalthia longifolia</i> (Sonn.) Thwaites ^[9]	<i>Kashthadaru</i>	Ashok	<i>Pushpa</i>
		<i>Annona squamosa</i> L. ^[8]	<i>Sitaphala</i>	Sitaphal	<i>Parishishta</i>
7	Apiaceae	<i>Daucus carota</i> L. ^[10]	<i>Garjur</i>	Gajar	<i>Shaka</i>
8	Apocynaceae	<i>Plumeria rubra</i> L. ^[11]	<i>Champaka</i>	Gopur Champa	<i>Pushpa</i>
		<i>Carissa congesta</i> Wight ^[8] Syn. <i>Carissa spinarum</i> L. ^[14]	<i>Karamardaka</i>	Karonda	<i>Amradiphala</i>
		<i>Nerium indicum</i> Mil. ^[10] Syn. <i>Nerium oleander</i> L. ^[14]	<i>Karvir rakta</i>	Kanher	<i>Guduchyadi</i>
		<i>Thevetia nerifolia</i> Juss. Ex Steud. ^[8]	<i>Karvira (Pita)</i>	Pili kaner	<i>Guduchyadi</i>

		<i>Holarrhena antidysenterica</i> (Roth) Wall. Ex A. DC ^[8] Syn. <i>Holarrhena pubescens</i> Wall ex G. Don. ^[14]	<i>Kutaja</i>	Kurchi	<i>Haritakyadi</i>
		<i>Catharanthus roseus</i> (L.) G. Don ^[8]	<i>Sadampushpa</i>	Sadabahar	--
		<i>Alstonia scholaris</i> (L.)R. Br. ^[8]	<i>Saptaparna</i>	Saptaparna	<i>Vatadi</i>
		<i>Rauvolfia serpentina</i> Benth.ex Kurz. ^[8]	<i>Sarpagandha</i>	Sarpagandha	<i>Haritakyadi</i>
9	Araceae	<i>Acorus calamus</i> L. ^[8]	<i>Vacha</i>	Bach	<i>Haritakyadi</i>
10	Asclepiadaceae	<i>Calotropis procera</i> (Ait.) R.Br. ^[8]	<i>Arka (Rakta)</i>	Aak	<i>Guduchyadi</i>
		<i>Calotropis gigantea</i> (L.) R.Br.ex Ait ^[8]	<i>Arka (Shweta)</i>	Aak	<i>Guduchyadi</i>
		<i>Tylophora asthmatica</i> (L.f.) Wight & Arn. ^[8]	<i>Arkaparni/ Mulini/ Latakshiri</i>	Antamul	--
		<i>Leptadenia spartium</i> Wt. ^[7]	<i>Gandhaprasarani (Bheda)</i>	Kheemp	<i>Guduchyadi</i>
		<i>Leptadenia reticulata</i> (Retz.) Wight & Arn. ^[7]	<i>Jivanti</i>	Jivanti, Dodi	<i>Guduchyadi</i>
		<i>Gymnema sylvestre</i> (Retz.) R.Br.ex Sm. ^[8]	<i>Meshashringi</i>	Gurmar	<i>Guduchyadi</i>
		<i>Pergularia extensa</i> (Jacq.) N.E.Br. ^[7]	<i>Uttamarini</i>	Utaran	<i>Parishishta</i>
11	Asparagaceae	<i>Asparagus racemosus</i> Willd. ^[8]	<i>Shatavari</i>	Satavar	<i>Guduchyadi</i>
12	Berberidaceae	<i>Berberis aristata</i> DC. ^[12]	<i>Daruharidra</i>	Rasund	<i>Haritakyadi</i>
13	Bignoniaceae	<i>Tecomella undulata</i> (Sm.) Seem. ^[8]	<i>Rohitaka</i>	Rohida	<i>Vatadi</i>
		<i>Oroxylum indicum</i> (L.) Kurz. ^[8]	<i>Shyonaka</i>	Pharrai	<i>Guduchyadi</i>
		<i>Kigelia pinnata</i> (Jacq.) DC. ^[8] Syn <i>Kigelia Africana</i> (Lam.) Benth. ^[14]	--	Balam Khira	--
14	Bombacaceae	<i>Ceiba pentandra</i> (L.) Gaertn. ^[9]	<i>Kuta Shalmali</i>	Semal (Bheda)	<i>Vatadi</i>
		<i>Bombax ceiba</i> L. ^[8]	<i>Shalmali/ Moocha</i>	Semar	<i>Vatadi</i>
15	Boraginaceae	<i>Cordia dichotoma</i> G. Forst. ^[8]	<i>Shleshmantaka</i>	Lasura	<i>Amradiphala</i>
16	Brassicaceae	<i>Eruca sativa</i> Mill. ^[12]	<i>Tuvari</i>	Tara mira	--
		<i>Iberis amara</i> L. ^[8]	--	Chandni	--
17	Burseraceae	<i>Commiphora wightii</i> (Arn.) Bhandari ^[8]	<i>Guggulu</i>	Gugul	<i>Karpuradi</i>
		<i>Garuga pinnata</i> Roxb ^[9]	<i>Kinkirata/ Karnikara</i>	Ghogar	<i>Pushpa</i>
		<i>Boswellia serrata</i> Roxb. ex Colebr. ^[9]	<i>Shallaki</i>	Salai	<i>Vatadi</i>
18	Caesalpiniaceae	<i>Tamarindus indica</i> L. ^[9]	<i>Amlika</i>	Imli/ Chanchu	<i>Amradiphala</i>
		<i>Cassia fistula</i> L. ^[9]	<i>Aragwadha</i>	Amaltas	<i>Haritakyadi</i>
		<i>Saraca asoca</i> (Roxb.) Willd ^[9]	<i>Ashoka</i>	Seeta Ashok	<i>Pushpa</i>
		<i>Cassia tora</i> L. ^[9] Syn. <i>Senna tora</i> (L.) Roxb ^[14]	<i>Chakramarda</i>	Chakawad, Panwar	<i>Haritakyadi</i>
		<i>Bauhinia variegata</i> L. ^[9]	<i>Kanchanara</i>	Kachanar	<i>Guduchyadi</i>
		<i>Cassia occidentalis</i> L. ^[9] Syn. <i>Senna occidentalis</i> (L.) Link ^[14]	<i>Kasamarda</i>	Kasondi	<i>Shaka</i>
		<i>Caesalpinia bonduc</i> (L.) Roxb ^[9]	<i>Latakaranja</i>	Kantakaranja/ Sagargota	<i>Guduchyadi</i>
		<i>Caesalpinia sappan</i> L. ^[9]	<i>Patranga</i>	Patanga	<i>Karpuradi</i>
		<i>Cassia angustifolia</i> Vahl ^[8] Syn. <i>Senna alexandrina</i> Mill. ^[14]	<i>Sonamukhi</i>	Sena	<i>Guduchyadi</i>
19	Cannabinaceae	<i>Cannabis sativa</i> L. ^[10]	<i>Bhanga</i>	Bhaang	<i>Haritakyadi</i>
20	Capparaceae	<i>Capparis deciduas</i> (Forssk.) Edgew. ^[9]	<i>Karir</i>	Karir	<i>Vatadi</i>
		<i>Crateva adinsonii</i> DC ^[8]	<i>Varuna</i>	Barna	<i>Guduchyadi</i>
		<i>Crateva nervula</i> Buch.-Ham. ^[10]	<i>Varuna</i>	Barna	<i>Guduchyadi</i>
21	Caricaceae	<i>Carica papaya</i> L ^[10]	<i>Erand karkati</i>	Papita	<i>Parishishta</i>
22	Celastraceae	<i>Celastrus paniculatus</i> Willd ^[9]	<i>Jyotishmati</i>	Malkangani	<i>Haritakyadi</i>
23	Chenopodiaceae	<i>Spinacia oleracea</i> L. ^[13]	<i>Palakya</i>	Paalak	<i>Shaka</i>
		<i>Chenopodium album</i> L. ^[12]	<i>Vastuka</i>	Bathua	<i>Shaka</i>
24	Cleomaceae	<i>Cleome viscosa</i> L. ^[9]	<i>Swarchala (Pita)/ Suryabhakta</i>	Hurhur (Pila)	<i>Guduchyadi</i>
25	Cochlospermaceae	<i>Cochlospermum religiosum</i> (L.) Alston ^[9]	<i>Galgal</i>	Galgal	<i>Parishishta</i>
26	Combretaceae	<i>Terminalia arjuna</i> (Roxb.ex DC.) Wight. & Arn ^[9]	<i>Arjuna</i>	Arjun/ Kahava	<i>Vatadi</i>
		<i>Terminalia bellirica</i> (Gaertn.) Roxb ^[9]	<i>Bibhitaki</i>	Baheda	<i>Haritakyadi</i>
		<i>Anogeissus latifolia</i> (Roxb.ex DC.) Wall. ex Guill. & Perr. ^[9]	<i>Dhava</i>	Dhamin, Chhal	<i>Vatadi</i>
		<i>Anogeissus pendula</i> Edgew ^[8]	<i>Dhoura</i>	Dhok	<i>Vatadi</i>

		<i>Terminalia chebula</i> Retz. ^[9]	<i>Haritaki</i>	Harre	<i>Haritakyadi</i>
		<i>Terminalia myriocarpa</i> Heurck & Muell.-Arg. ^[8]	<i>Kakubha</i>	Hollock	<i>Vatadi</i>
		<i>Terminalia tomentosa</i> Wight. & Arn. ^[8]	<i>Raktarjuna</i>	Sain/ Saj	<i>Vatadi</i>
27	Compositae	<i>Anacyclus pyrethrum</i> ^[13]	<i>Akarkara</i>	Akarkara	--
		<i>Eclipta alba</i> (L.) Hassk. ^[8] Syn. <i>Eclipta prostrata</i> (L.) L. ^[14]	<i>Bhringaraja</i>	Bhringraj	<i>Guduchyadi</i>
		<i>Cichorium intybus</i> L. ^[13]	<i>Kasni (Vanya)</i>	Kasni, Chicory	<i>Parishishta</i>
		<i>Carthamus tinctorius</i> L. ^[7]	<i>Kusumbha</i>	Poli , Kantiaari	<i>Haritakyadi</i>
		<i>Spilanthes acmella</i> (L.) L. ^[8]	<i>Marahattikaa</i>	Desi Akarkara	--
		<i>Sphaeranthus indicus</i> L. ^[10]	<i>Mundi, Muditaka</i>	Gorakh Mundi ^[15]	<i>Guduchyadi</i>
		<i>Pluchea lanceolata</i> (DC) C.B. Clarke ^[10]	<i>Raasna</i>	Vaaya-surai, Raayasan ^[15]	<i>Haritakyadi</i>
		<i>Helianthus annuus</i> L. ^[10]	<i>Suryamukhi</i>	Suryaphul	--
		<i>Calendula officinalis</i> L. ^[7]	<i>Zandu</i>	Genda	<i>Parishishta</i>
		<i>Tagetes erecta</i> L. ^[10]	<i>Zandu</i>	Genda	<i>Parishishta</i>
28	Convolvulaceae	<i>Cuscuta reflexa</i> Roxb. ^[10]	<i>Akashvalli</i>	Kash Bel, Niradhar	<i>Guduchyadi</i>
		<i>Convolvulus pluricaulis</i> Choisy ^[7] Syn. <i>Convolvulus prostrates</i> Forsk. ^[14]	<i>Shankpuspi</i>	Shankpuspi	<i>Guduchyadi</i>
29	Crassulaceae	<i>Bryophyllum pinnatum</i> (Lam.) Oken ^[10]	<i>Parnabeeja</i>	Patharchat	<i>Haritakyadi</i>
		<i>Kalanchoe pinnata</i> (Lam.) Pers. ^[9] Syn. <i>Bryophyllum pinnatum</i> (Lam) Oken ^[14]	<i>Parnabeeja</i>	Ajuba	<i>Haritakyadi</i>
30	Cruciferae (brassicaceae)	<i>Lepidium sativum</i> L. ^[9]	<i>Chandrashura</i>	Chansur	<i>Haritakyadi</i>
		<i>Brassica oleracea</i> L. ^[9]	<i>Kapikam/ Kapishaka</i>	Sarso	<i>Dhanya</i>
		<i>Sisymbrium irio</i> L. ^[12]	<i>Khukkala</i>	Khukkala, Khaksi	<i>Parishishta</i>
		<i>Raphanus sativus</i> L. ^[9] Syn. <i>Raphanus raphanistrum</i> Subsp. <i>sativus</i> (L.) Domin ^[14]	<i>Mulaka</i>	Muli	<i>Shaka</i>
		<i>Brassica juncea</i> (L.) Czern. ^[9]	<i>Rajika</i>	Raee	<i>Dhanya</i>
		<i>Brassica campestris</i> L. ^[10] Syn. <i>Brassica rapa</i> L. ^[14]	<i>Sarshapa</i>	Sarso	<i>Dhanya</i>
31	Cucurbitaceae	<i>Coccinia grandis</i> (L.) Voigt ^[10]	<i>Bimbi</i>	Kundaru/ Kunduri	<i>Shaka</i>
		<i>Citrullus colocynthus</i> (L.) Schard. ^[7]	<i>Indrayana</i>	Kod tuma	<i>Guduchyadi</i>
		<i>Momordica charantia</i> L. ^[10]	<i>Karvellak</i>	Karela	<i>Shaka</i>
		<i>Luffa acutangula</i> (L.) Roxb. ^[10]	<i>Koshataki</i>	Ban Turai	<i>Shaka</i>
		<i>Benincasa hispida</i> (Thunb.) Cogn. ^[10]	<i>Kushmanda</i>	Petha, Petha Kaddu	<i>Shaka</i>
		<i>Cucurbita moschata</i> Duchesne. ^[7]	<i>Kushmanda (bheda)</i>	Kolaro vela	<i>Shaka</i>
		<i>Cucurbita pepo</i> L. ^[7]	<i>Kushmandi</i>	Loki	<i>Shaka</i>
		<i>Trichosanthes dioica</i> Roxb. ^[10]	<i>Patol</i>	Parval ^[15]	<i>Shaka</i>
		<i>Cucumis sativus</i> L. ^[12]	<i>Trapusha</i>	Kheera	<i>Amradiphala</i>
		<i>Lagenaria siceraria</i> (Molina) Standl. ^[10]	<i>Tumbi</i>	Kaddu	<i>Shaka</i>
32	Cyperaceae	<i>Cyperus rotundus</i> L. ^[10]	<i>Musta</i>	Nagarmotha, Mothaa	<i>Karpuradi</i>
33	Dipterocarpaceae	<i>Shorea robusta</i> Gaertn. ^[9]	<i>Shala</i>	Shala	<i>Vatadi</i>
34	Ebenaceae	<i>Diospyros montana</i> Roxb. ^[8]	<i>Kupilu/ Vishatinduka</i>	Kendu	<i>Amradiphala</i>
35	Elaeocarpaceae	<i>Elaeocarpus ganitrus</i> Roxb.ex G.Don ^[8] Syn. <i>Elaeocarpus serratus</i> L. ^[14]	<i>Rudraksha</i>	Rudraksha	<i>Parishishta</i>
36	Euphorbiaceae	<i>Emblica officinalis</i> Gaertn. ^[8] Syn. <i>Phyllanthus emblica</i> L. ^[14]	<i>Amalaki</i>	Amla	<i>Haritakyadi</i>
		<i>Phyllanthus niruri</i> L. ^[8]	<i>Bhumyamalaki</i>	Bhui amla	<i>Guduchyadi</i>
		<i>Euphorbia thymifolia</i> L. ^[10]	<i>Dugdhika</i>	Choti Dudhi	<i>Guduchyadi</i>
		<i>Ricinus communis</i> L. ^[8]	<i>Eranda</i>	Erandi	<i>Guduchyadi</i>
		<i>Acalypha hispida</i> Burm.f. ^[11]	<i>Muktavarcha</i>	Kuppi	<i>Parishishta</i>
		<i>Putranjiva roxburghii</i> Wall. ^[8]	<i>Putranjivaka</i>	Putranjeeva	<i>Vatadi</i>
		<i>Jatropha gossypifolia</i> Subsp. <i>elegan</i> (Pohl) Mull. Arg. ^[10]	<i>Rakta erand</i>	Laal Bagharenda	<i>Guduchyadi</i>
		<i>Euphorbia neriifolia</i> L. ^[10]	<i>Snuhi</i>	Senhud	<i>Guduchyadi</i>
37	Fabaceae	<i>Cajanus cajan</i> (L.) Millsp. ^[9]	<i>Adhaki</i>	Arhar	<i>Dhanya</i>
		<i>Clitoria ternatea</i> L. ^[9]	<i>Aparajita/ Gokarni</i>	Aparajita / Koyal	<i>Guduchyadi</i>
		<i>Medicago sativa</i> L. ^[7]	<i>Ashvabala</i>	Barsem	<i>Haritakyadi</i>
		<i>Psoralea corylifolia</i> L. ^[9] Syn. <i>Cullen corylifolium</i> (L.) Medik. ^[14]	<i>Bakuchi</i>	Babachi	<i>Haritakyadi</i>

		<i>Arachis hypogea</i> L. ^[9]	<i>Bhu Chanaka/ Mandapi</i>	Mungphali	--
		<i>Pterocarpus marsupium</i> Roxb. ^[9]	<i>Bijaka/ Asana</i>	Vijaysara	Vatadi
		<i>Cicer arietinum</i> L. ^[9]	<i>Chanaka</i>	Chana	Dhanya
		<i>Abrus precatorius</i> L. ^[9]	<i>Gunja</i>	Ratti	Guduchyadi
		<i>Desmodium triflorum</i> (L.) DC ^[9]	<i>Hamsapadi/ Tripadi</i>	Hamspadi	Guduchyadi
		<i>Pisum sativum</i> L. ^[9]	<i>Kalaya</i>	Matar	Dhanya
		<i>Mucuna pruriens</i> (L.) DC ^[9]	<i>Kapikachhu</i>	Kevanch	Guduchyadi
		<i>Pongamia pinnata</i> (L.) Pierre ^[9]	<i>Karanja</i>	Kanja/ Sukhchain	Guduchyadi
		<i>Teramus labialis</i> (L.f.) Spreng ^[7]	<i>Maashparni</i>	Kaamboja	Guduchyadi
		<i>Canavalia gladiata</i> (Jacq.) DC ^[9]	<i>Mahashimbi/ Assishimbi</i>	Badi Sem	Shaka
		<i>Vigna mungo</i> (L.) Hepper ^[9]	<i>Masha</i>	Udada	Dhanya
		<i>Lens culinaris</i> Medik ^[9]	<i>Masurika</i>	Masur	Dhanya
		<i>Trigonella foenum-graecum</i> L. ^[9]	<i>Methika</i>	Methi	Haritakyadi
		<i>Melilotus indica</i> (L.) All. ^[12]	<i>Methika Bheda</i>	Senji, ban Methi	Haritakyadi
		<i>Vigna radiata</i> (L.) R. Wilczek ^[9]	<i>Mudga</i>	Mung	Dhanya
		<i>Indigofera tinctoria</i> L. ^[9]	<i>Nilini</i>	Neel	Guduchyadi
		<i>Lablab purpureus</i> (L.) Sweet ^[9]	<i>Nishpava</i>	Bada Sem	Shaka
		<i>Butea frondosa</i> Roxb. ^[8] Syn. <i>Butea monosperma</i> (Lam.) Taub. ^[14]	<i>Palasha</i>	Dhak, Palas	Vatadi
		<i>Erythrina indica</i> Lam. ^[9] Syn. <i>Erythrina variegata</i> L. ^[14]	<i>Paribhadra</i>	Phrhad	Guduchyadi
		<i>Desmodium gangeticum</i> (L.) DC ^[9]	<i>Shaliparni</i>	Sarivana	Guduchyadi
		<i>Tephrosia purpurea</i> (L.) Pers. ^[9]	<i>Sharapunkha</i>	Sarapunkha	Guduchyadi
		<i>Dalbergia sissoo</i> DC. ^[8]	<i>Shimshapa</i>	Tahli, Shisham	Vatadi
		<i>Albizia lebbbeck</i> Benth. ^[8]	<i>Shirisha</i>	Shiris	Vatadi
		<i>Cyamopsis tetragonoloba</i> (L.) Taub. ^[9]	<i>Shudra Shimbi/ Goraksha Phalini</i>	Govar	--
		<i>Ougeinia oojeinensis</i> (Roxb.) Hochr. ^[9]	<i>Tinisha</i>	Tinisha	Vatadi
		<i>Pueraria tuberosa</i> (Willd.) DC. ^[9]	<i>Vidari</i>	Vidarikanda	Guduchyadi
		<i>Glycyrrhiza glabra</i> L. ^[8]	<i>Yashtimadhu</i>	Mulethi	Haritakyadi
		<i>Sesbania grandiflora</i> (L.) Pers ^[9]	<i>Agastya</i>	Agathiya	Pushpa
38	Flacourtiaceae	<i>Flacourtia indica</i> (Burm.f.) Merr ^[9]	<i>Vikankata</i>	Paniyala	Amradiphala
39	Fumariaceae	<i>Fumaria indica</i> (Hauuskn.) Pugsley ^[12]	<i>Parpat</i>	Pitta Papda	Guduchyadi
40	Gentianaceae	<i>Enicostema littorale</i> Blume ^[10]	<i>Mamajjaka</i>	Chhotaa Chirayataa	Haritakyadi
41	Ginkgoaceae	<i>Ginkgo biloba</i> L. ^[8]	--	Ginkgo tree	--
42	Guttiferae	<i>Garcinia indica</i> (Thouars) Chois. ^[8]	<i>Amlavetasa</i>	Kokum	Amradiphala
		<i>Mesua ferra</i> L. ^[8]	<i>Nagkeshara</i>	Nagkesar	Karpuradi
43	Labiatae	<i>Leucas cephalotes</i> Roth. ^[7] Syn. <i>Leucas cephalotes</i> (Roth) Spreng. ^[14]	<i>Dronapushpi</i>	Guumaa	Guduchyadi
		<i>Ocimum kilimandscharicum</i> Guerke ^[8]	<i>Karpur Tulasi</i>	Kapur tulsi	Karpuradi
		<i>Coleus barbatus</i> (Andrews) Benth ex G. Don ^[8] Syn. <i>Plectranthus barbatus</i> Andrews. ^[14]	<i>Makandi</i>	Patharchat	Haritakyadi
		<i>Mentha spicata</i> L. ^[8]	<i>Putiha</i>	Pudina	Parishishta
		<i>Mentha piperita</i> L. ^[10]	<i>Putiha Bheda</i>	Vilayati pudina	Parishishta
		<i>Salvia plebeian</i> R.Br. ^[7]	<i>Samudrashosha</i>	Bhuu Tulsi	Parishishta
		<i>Ocimum basilicum</i> L. ^[8]	<i>Tulasi</i>	Kali tulsi	Pushpa
		<i>Ocimum grattisimum</i> L. ^[8]	<i>Tulasi</i>	Ram tulsi	Pushpa
		<i>Ocimum sanctum</i> L. ^[8]	<i>Tulasi</i>	Tulsi	Pushpa
44	Lauraceae	<i>Cinnamomum camphora</i> (L.) J. Presi ^[8]	<i>Karpura</i>	Kapur	Karpuradi
		<i>Cinnamomum tamala</i> (Buch-Ham.) T. Nees & Eberm ^[8]	<i>Patra</i>	Tejpatta	Karpuradi
		<i>Cinnamomum zeylanicum</i> Blume. ^[12] Syn. <i>Cinnamomum verum</i> J. Presl. ^[14]	<i>Twaka</i>	Dalchini	Karpuradi
45	Lecythidaceae	<i>Barringtonia acutangula</i> (L.) Gaertn. ^[9]	<i>Hijjala</i>	Hijjal	Guduchyadi
		<i>Careya arborea</i> Roxb. ^[9]	<i>Katabhi/ Kumbhika</i>	Kumbhi	Vatadi

46	Liliaceae	<i>Aloe barbadensis</i> Mill. ^[8] Syn. <i>Aloe vera</i> (L.) ^[14]	<i>Kumari</i>	Gvarpatha/Kwargandal	<i>Guduchyadi</i>		
		<i>Chlorophytum borivillianum</i> Santapau & R.R. Fern. ^[13]	<i>Mushali (Shweta)</i>	Safed Musli	<i>Guduchyadi</i>		
		<i>Sansevieria roxburghiana</i> Schult. & Schult f. ^[10]	<i>Nagdaman</i>	Marul, Murva	<i>Guduchyadi</i>		
		<i>Allium cepa</i> L. ^[10]	<i>Palandu</i>	Piyaz	<i>Haritakyadi</i>		
		<i>Allium sativum</i> L. ^[10]	<i>Rasona</i>	Lehesun	<i>Haritakyadi</i>		
		<i>Colchicum luteum</i> Baker ^[13]	<i>Suranjan</i>	Suranjan	<i>Parishishta</i>		
		<i>Urginea indica</i> (Roxb.) Kunth ^[10] Syn. <i>Drimia indica</i> (Roxb.) Jessop ^[14]	<i>Vanplandu</i>	Jangali piyaaz	<i>Haritakyadi</i>		
		<i>Linum usitatissimum</i> L. ^[9]	<i>Atasi</i>	Atis	<i>Haritakyadi</i>		
		47	Lythraceae	<i>Ammannia baccifera</i> L. ^[9]	<i>Agnigarbha/ Agnipatri</i>	Dadmari	<i>Haritakyadi</i>
				<i>Woodfordia fruticosa</i> (L.) Kurz ^[9]	<i>Dhataki</i>	Dhay	<i>Haritakyadi</i>
<i>Lawsonia inermis</i> L. ^[8]	<i>Madayantika</i>			Mehendi	<i>Karpuradi</i>		
48	Magnoliaceae	<i>Michelia champaca</i> L. ^[9] Syn. <i>Magnolia champaca</i> (L.) Baill. Ex Pierre ^[14]	<i>Champaka</i>	Champa	<i>Pushpa</i>		
		<i>Artabotrys odoratissimus</i> R.Br ^[8]	<i>Nila Champaka</i>	Hari champa	<i>Pushpa</i>		
49	Malpighiaceae	<i>Hiptage benghalensis</i> (L.) Kurz ^[9]	<i>Madhavi/ Kamuka</i>	Madhavi Lata	<i>Pushpa</i>		
50	Malvaceae	<i>Abutilon indicum</i> (L.) Sweet. ^[8]	<i>Atibala</i>	Kanghi	<i>Guduchyadi</i>		
		<i>Sida cordata</i> (Burm. f.) Borss. Waalk. ^[9]	<i>Bala</i>	Bala/ Bariyara	<i>Guduchyadi</i>		
		<i>Sida cordifolia</i> L. ^[8]	<i>Bala</i>	Bala	<i>Guduchyadi</i>		
		<i>Hibiscus rosa-sinensis</i> L. ^[9]	<i>Japa</i>	Adhul/ Gudhal	<i>Pushpa</i>		
		<i>Gossypium herbaceum</i> L. ^[9]	<i>Karpasa</i>	Kapas	<i>Guduchyadi</i>		
		<i>Althea officinalis</i> L. ^[10]	<i>Khatmi</i>	Gulkhairo	<i>Parishishta</i>		
		<i>Malva sylvestris</i> L. ^[7]	<i>Khubbaji</i>	Gul Khair	<i>Parishishta</i>		
		<i>Abelmoschus esculentus</i> (L.) Moench ^[9]	<i>Latakasturi</i>	Bhindi	<i>Karpuradi</i>		
		<i>Hibiscus cannabinus</i> L. ^[7]	<i>Machika</i>	Patsan	<i>Haritakyadi</i>		
		<i>Sida spinosa</i> L. ^[9]	<i>Nagabala/ Kantakini</i>	Bala (Bheda)	<i>Guduchyadi</i>		
		<i>Thespesia populnea</i> (L.) Sol. ex Correa ^[9]	<i>Parisha</i>	Paras Pipal	<i>Vatadi</i>		
		<i>Abroma augusta</i> (L.) Lf ^[10]	<i>Pishachakarpasa</i>	Ulatkambal	<i>Pushpa</i>		
		<i>Gossypium arboreum</i> L. ^[9]	<i>Udyana Karpasa</i>	Kapas	<i>Guduchyadi</i>		
		51	Meliaceae	<i>Chukrasia tabularis</i> A. Juss. ^[10]	<i>Chukra</i>	Chikrasi	<i>Shaka</i>
				<i>Melia azedarach</i> L. ^[9]	<i>Mahanimba</i>	Bakayan	<i>Guduchyadi</i>
<i>Azadirachta indica</i> A. Juss. ^[9]	<i>Nimba</i>			Neem	<i>Guduchyadi</i>		
<i>Aphanamixis polystachya</i> (Wall.) R. Parker ^[9]	<i>Rohitaka</i>			Rohana	<i>Vatadi</i>		
<i>Cedrela toona</i> Roxb. Rx Rottler ^[8]	<i>Tinnuka/ Nandivriksha</i>			Tun	<i>Vatadi</i>		
<i>Toona ciliata</i> M. Roem ^[9]	<i>Tunnika/ Nandi Vriksha</i>			Tut/ Shahatut	<i>Amradiphala</i>		
52	Menispermaceae	<i>Tinospora cordifolia</i> (Willd.) Miers ^[9] Syn. <i>Tinospora sinensis</i> ^[14]	<i>Guduchi</i>	Giloy	<i>Guduchyadi</i>		
		<i>Cocculus hirsutus</i> (L.) W. Theob ^[9]	<i>Patalgarudi</i>	Jaljamani	<i>Guduchyadi</i>		
		<i>Cissampelos pareira</i> L. ^[10]	<i>Patha/ Ambashtha</i>	Patha	<i>Guduchyadi</i>		
		<i>Cocculus laurifolius</i> DC. ^[8]	--	Tilpara	<i>Guduchyadi</i>		
53	Mimosaceae	<i>Acacia torta</i> (Roxb.) Craib ^[9]	<i>Adari/ Lata Khadira</i>	Kantar/ Alia	--		
		<i>Prosopis juliflora</i> (Sw.) DC ^[8]	<i>Babbul</i>	Kabuli Kikar, Vilayati Babul, Junglee Kikar	<i>Vatadi</i>		
		<i>Acacia Arabica</i> (Lam.) Willd ^[10]	<i>Babbula</i>	Babool	<i>Vatadi</i>		
		<i>Acacia nilotica</i> (L.) Delile. ^[9]	<i>Babbula</i>	Babul	<i>Vatadi</i>		
		<i>Pithecollobium dulce</i> (Roxb.) Benth ^[8] Syn. <i>Pithecollobium dulce</i> (Roxb.) Benth ^[14]	<i>Dakhini Babool</i>	Jungli Jalebi	--		
		<i>Acacia leucophloea</i> (Roxb.) Willd. ^[9]	<i>Irimeda</i>	Kikar/ Irimed	<i>Vatadi</i>		
		<i>Acacia catechu</i> (L.f.) Willd ^[9]	<i>Khadira</i>	Khair	<i>Vatadi</i>		
		<i>Mimosa pudica</i> L. ^[8]	<i>Lajjalu</i>	Lajwanti	<i>Guduchyadi</i>		
54	Moraceae	<i>Prosopis spicigera</i> L. ^[8] Syn. <i>Prosopis cineraria</i> (L.) Druce ^[14]	<i>Shami</i>	Khejri	<i>Vatadi</i>		
		<i>Ficus religiosa</i> L. ^[8]	<i>Ashvaththa</i>	Pipal	<i>Vatadi</i>		

		<i>Ficus carica</i> L. ^[10]	<i>Falgu</i>	Anjeer	<i>Parishishta</i>
		<i>Artocarpus lakoocha</i> Roxb. ^[8] Syn.	<i>Lakucha</i>	Dheu	<i>Amradiphala</i>
		<i>Artocarpus lacucha</i> Buch Ham ^[14]			
		<i>Artocarpus heterophyllus</i> Lam ^[8]	<i>Panasa</i>	Katahal	<i>Amradiphala</i>
		<i>Morus alba</i> L. ^[8]	<i>Shahatuta</i>	Shahtoot/ Tuti	<i>Amradiphala</i>
		<i>Ficus glomerata</i> Roxb. ^[8] Syn. <i>Ficus</i>	<i>Udumbara</i>	Gular	<i>Vatadi</i>
		<i>racemose</i> L. ^[14]			
		<i>Ficus bengalensis</i> Merr. ^[8]	<i>Vata/ Nyagrodha</i>	Banyan tree	<i>Vatadi</i>
		<i>Artocarpus chaplasha</i> Roxb. ^[8]	--	Barhal	<i>Amradiphala</i>
55	Moringaceae	<i>Moringa oleifera</i> Lam. ^[9]	<i>Shigru</i>	Sahijana	<i>Guduchyadi</i>
56	Musaceae	<i>Musa paradisiaca</i> L. ^[10]	<i>Kadali</i>	Kela	<i>Shaka</i>
57	Myrtaceae	<i>Syzygium cumini</i> (L.) Skeels ^[9]	<i>Jambu</i>	Jamun	<i>Amradiphala</i>
		<i>Psidium guajava</i> L. ^[9]	<i>Peruka</i>	Amarud	--
		<i>Eucalyptus globulus</i> Subsp. <i>Pseudoglobulus</i>	<i>Tailaparni</i>	Safeda, Neelgiri ^[15]	<i>Parishishta</i>
		(Naudin ex Maiden) J.B. Kirkp. ^[10]			
		<i>Eugenia cuspidate</i> Phill. ^[8] Syn. <i>Luma</i>	--	Jamoa	<i>Vatadi</i>
		<i>apiculata</i> (DC) Burret ^[14]			
58	Nyctaginaceae	<i>Boerhavia diffusa</i> L. ^[8]	<i>Punarnava</i>	Punurnava	<i>Guduchyadi</i>
59	Nymphaeaceae	<i>Nymphaea nouchali</i> Burm. f. ^[9]	<i>Kamala</i>	Koyi	<i>Pushpa</i>
		<i>Nelumbo nucifera</i> Gaertn. ^[9]	<i>Kumud</i>	Kumud	<i>Pushpa</i>
		<i>Euryale ferox</i> Salisb. ^[13]	<i>Makhanna</i>	Makhana	<i>Amradiphala</i>
60	Oleaceae	<i>Jasminum grandiflorum</i> L. ^[8]	<i>Jati</i>	Chameli	<i>Pushpa</i>
		<i>Jasminum officinale</i> L. ^[10]	<i>Jati</i>	Chameli	<i>Pushpa</i>
		<i>Jasminum sambac</i> (L.) Aiton ^[10]	<i>Malti</i>	Mograa	<i>Pushpa</i>
		<i>Nyctanthes arbortristis</i> L. ^[8]	<i>Parijataka</i>	Harshringar	<i>Guduchyadi</i>
61	Onagraceae	<i>Ludwigia octovalvis</i> (Jacq.) P.H. Raven ^[9]	<i>Bhu Lavanga/ Jala</i>	Banlunga	--
			<i>Lavanga</i>		
62	Oxalidaceae	<i>Oxalis corniculata</i> L. ^[9]	<i>Changeri</i>	Khatti Buti, Tinpatiya	<i>Shaka</i>
		<i>Averrhoa carambola</i> L. ^[9]	<i>Karmaranga</i>	Kamarakhas	<i>Amradiphala</i>
63	Papaveraceae	<i>Papaver somniferum</i> L. ^[9]	<i>Ahiphena</i>	Afim	<i>Haritakyadi</i>
		<i>Argemone mexicana</i> L. ^[9]	<i>Swarnakshiri</i>	Bhadbhad/ Satyanashi	<i>Haritakyadi</i>
64	Pedaliaceae	<i>Sesamum orientale</i> L. ^[10]	<i>Tila</i>	Til	<i>Dhanya</i>
65	Piperaceae	<i>Piper longum</i> L. ^[8]	<i>Pippali</i>	Pippali	<i>Haritakyadi</i>
66	Plantaginaceae	<i>Plantago ovata</i> Forssk. ^[10]	<i>Ashvagol</i>	Isabgol	--
67	Plumbaginaceae	<i>Plumbago zeylanica</i> L. ^[8]	<i>Chitraka</i>	Chitraka	<i>Haritakyadi</i>
68	Poaceae	<i>Cynodon dactylon</i> (L.) Pers. ^[10]	<i>Durva</i>	Khabbal, Hariyali, Dub	<i>Guduchyadi</i>
		<i>Triticum aestivum</i> L. ^[10]	<i>Godhum</i>	Gehu	<i>Dhanya</i>
		<i>Saccharum officinarum</i> L. ^[10]	<i>Ikshu</i>	Ganna	<i>Ikshu</i>
		<i>Cymbopogon citratus</i> (DC.) Stapf ^[8]	<i>Katrina/ Bhutika</i>	Lemon grass	<i>Guduchyadi</i>
		<i>Arundo donax</i> L. ^[11]	<i>Nal (Bheda)</i>	Narha	<i>Guduchyadi</i>
		<i>Cymbopogon schoenanthus</i> (L.) Spreng ^[7]	<i>Rohisha</i>	Rohisha	<i>Guduchyadi</i>
		<i>Oryza sativa</i> L. ^[12]	<i>Tandula</i>	Chaval	<i>Kritanna</i>
		<i>Vetiveria zizanioides</i> (L.) Nash ^[8] Syn.	<i>Ushira</i>	Khus	<i>Karpuradi</i>
		<i>Chrysopogon zizaniodes</i> (L.) Roberty ^[14]			
		<i>Bambusa bambos</i> (L.) Voss ^[10]	<i>Vansha</i>	Bans, Bambu	<i>Guduchyadi</i>
		<i>Hordeum vulgare</i> L. ^[10]	<i>Yava</i>	Jao	<i>Dhanya</i>
69	Portulacaceae	<i>Portulaca oleracea</i> L. ^[9]	<i>Brihata Loni/ Ghotika</i>	Poi/ Kulfa	<i>Shaka</i>
70	Punicaceae	<i>Punica granatum</i> L. ^[9]	<i>Dadima</i>	Anar	<i>Amradiphala</i>
71	Ranunculaceae	<i>Nigella sativa</i> L. ^[8]	<i>Kalajaji</i>	Kalonji	<i>Haritakyadi</i>
		<i>Thalictrum foliolosum</i> DC ^[7]	<i>Mamira</i>	Mamairi	<i>Guduchyadi</i>
72	Rhamnaceae	<i>Ziziphus mauritiana</i> Lam. ^[9] Syn. <i>Ziziphus</i>	<i>Badara</i>	Ber	<i>Amradiphala</i>
		<i>jujube</i> Mill. ^[14]			
		<i>Ziziphus oenopolia</i> (L.) Mill. ^[9]	<i>Karkandhu</i>	Badi Ber	<i>Amradiphala</i>
73	Rosaceae	<i>Prunus domestica</i> L. ^[9]	<i>Aruka/ Alubukhara</i>	Aadu	<i>Parishishta</i>
		<i>Rosa centifolia</i> L. ^[10]	<i>Taruni</i>	Gulab	<i>Pushpa</i>
74	Rubiaceae	<i>Adina cordifolia</i> Benth. & Hook. F ^[8] Syn.	<i>Haridru</i>	Haldu	<i>Pushpa</i>
		<i>Haldina cordifolia</i> (Roxb.) Ridsdale ^[14]			

		<i>Anthocephalus indicus</i> A. Rich. ^[10] Syn.	<i>Kadamba</i>	Kadamba	<i>Pushpa</i>
		<i>Breonia chinensis</i> (Lam.) Capuron ^[14]			
		<i>Anthocephalus cadamba</i> Miq. ^[8]	<i>Kadamba</i>	Kadam	<i>Pushpa</i>
75	Rutaceae	<i>Aegle marmelos</i> (L.) Correa ^[9]	<i>Bael</i>	Bel	<i>Guduchyadi</i>
		<i>Citrus limon</i> (L.) Osbeck. ^[9]	<i>Jambira</i>	Neebu	<i>Amradiphala</i>
		<i>Murraya koenigii</i> (L.) Spreng. ^[9]	<i>Kaidarya/ Surabhini</i>	Mithi Neem	<i>Guduchyadi</i>
		<i>Murraya paniculata</i> (L.) Jack ^[10]	<i>Nimba</i>		--
		<i>Murraya pinnatifida</i> (L.) Jack ^[10]	<i>Kamini</i>	Kaamini, Aanthil ¹⁵	--
		<i>Limonia acidissima</i> Groff. ^[9]	<i>Kapithha</i>	Kapitha	<i>Amradiphala</i>
		<i>Citrus reticulata</i> Blanco ^[9]	<i>Naranga/ Narangi</i>	Narangi	<i>Amradiphala</i>
		<i>Citrus aurantiifolia</i> (Christm.) Swingle ^[9]	<i>Nimbuka</i>	Kagaji Neebu	<i>Amradiphala</i>
		<i>Citrus medica</i> L. ^[9]	<i>Nimbuka</i>	Neebu	<i>Amradiphala</i>
		<i>Glycosmis pentaphylla</i> (Roxb.) DC ^[9]	<i>Vana Nimbuka/ Ashvashakhota</i>	Ban Neebu	--
76	Salvadoraceae	<i>Salvadora persica</i> L. ^[8]	<i>Pilu</i>	Jal, Pilu	<i>Amradiphala</i>
77	Samydaceae	<i>Casearia tomentosa</i> Roxb. ^[8]	<i>Chikhhaka</i>	Chila	--
78	Santalaceae	<i>Santalum album</i> L. ^[8]	<i>Chandana (Shveta)</i>	Chandana	<i>Karpuradi</i>
79	Sapindaceae	<i>Sapindus laurifolius</i> Vahl ^[9]	<i>Arishtaka</i>	Ritha	<i>Vatadi</i>
		<i>Sapindus mukorossi</i> Gaertn. ^[8]	<i>Arishtaka</i>	Ritha	<i>Vatadi</i>
		<i>Sapindus saponaria</i> L. ^[10]	<i>Arishtaka</i>	Ritha	<i>Vatadi</i>
		<i>Cardiospermum halicacabum</i> L. ^[9]	<i>Kakadani/ Karnasphota</i>	Vanasphota	<i>Haritakyadi</i>
		<i>Schleichera oleosa</i> (Lour.) Merr. ^[9]	<i>Koshamra</i>	Kusum	<i>Amradiphala</i>
		<i>Schleichera trijuga</i> Willd ^[8]	<i>Koshamra</i>	Kusam	<i>Amradiphala</i>
80	Sapotaceae	<i>Mimusops elengi</i> L. ^[8]	<i>Bakula</i>	Maulsiri	<i>Pushpa</i>
		<i>Mimusops hexandra</i> Roxb. ^[8] Syn.	<i>Khirani</i>	Khirmi	<i>Amradiphala</i>
		<i>Manilkara hexandra</i> (Roxb.) Dubard ^[14]			
		<i>Madhuca indica</i> J.F.Gmel. ^[8]	<i>Madhuka</i>	Mahua	<i>Amradiphala</i>
		<i>Achras sapota</i> L. ^[10]	--	Cheeku	--
81	Scrophulariaceae	<i>Bacopa monnieri</i> (L.) Wettstl ^[8]	<i>Bramhi</i>	Brahmi	<i>Guduchyadi</i>
82	Solanaceae	<i>Withania Somnifera</i> (L.) Dunal ^[8]	<i>Ashwagandha</i>	Aswagandha	<i>Guduchyadi</i>
		<i>Datura alba</i> Rumph ex Nees ^[8] Syn. <i>Datura metel</i> L. ^[14]	<i>Dhatara</i>	Dhatara	<i>Guduchyadi</i>
		<i>Solanum nigrum</i> L. ^[10] Syn <i>Solanum americanum</i> Mill. ^[14]	<i>Kakamachi</i>	Makoy	<i>Guduchyadi</i>
		<i>Solanum xanthocarpum</i> Schrad. & H. Wendl. ^[8]	<i>Kantakari</i>	Kantkari	<i>Guduchyadi</i>
		<i>Datura stramonium</i> L. ^[5]	<i>Krishna Dhatara</i>	Datura	<i>Guduchyadi</i>
		<i>Capsicum annum</i> L. ^[10]	<i>Lanka</i>	Mirch	<i>Parishishta</i>
83	Sterculiaceae	<i>Helicteres isora</i> L. ^[9]	<i>Avartaki</i>	Marodphali	<i>Guduchyadi</i>
		<i>Pterospermum acerifolium</i> (L.) Willd. ^[11]	<i>Muchakunda</i>	Kanak champa	<i>Pushpa</i>
		<i>Sterculia urens</i> Roxb. ^[8] Syn. <i>Firmiana simplex</i> (L.) W. Wight ^[14]	--	Katira Gum	<i>Parishishta</i>
84	Taxaceae	<i>Taxus baccata</i> L. ^[8]	<i>Sthauneyaka</i>	Taxus	<i>Karpuradi</i>
85	Theaceae	<i>Camellia sinensis</i> (L.) Kuntze ^[9]	<i>Syamaparni</i>	Chaay	<i>Parishishta</i>
86	Tiliaceae	<i>Grewia asiatica</i> L. ^[8]	<i>Parushaka</i>	Phalsa	<i>Amradiphala</i>
87	Trapaceae	<i>Trapa natans</i> L. ^[9]	<i>Shringataka</i>	Singhada	<i>Amradiphala</i>
88	Umbelliferae	<i>Apium graveolens</i> L. ^[11]	<i>Ajmoda</i>	Ajmora	<i>Haritakyadi</i>
		<i>Carum roxburghianum</i> (DC.) Kurz ^[7]	<i>Ajmoda</i>	Ajmod	<i>Haritakyadi</i>
		<i>Coriandrum sativum</i> L. ^[10]	<i>Dhanyak</i>	Dhaniya	<i>Haritakyadi</i>
		<i>Centella asiatica</i> (L.) Urb ^[8]	<i>Mandukparni</i>	Manduparni	<i>Guduchyadi</i>
		<i>Foeniculum vulgare</i> Mill. ^[10]	<i>Mishreya</i>	Sounf	<i>Haritakyadi</i>
		<i>Anethum graveolens</i> L. ^[11]	<i>Shatapushpa</i>	Soya, Sowa	<i>Haritakyadi</i>
89	Verbenaceae	<i>Gmelina arborea</i> Roxb. ^[8]	<i>Gambhari</i>	Gambar	<i>Guduchyadi</i>
		<i>Vitex negundo</i> L. ^[8]	<i>Nirgundi</i>	Nirgundi	<i>Guduchyadi</i>
		<i>Tectona grandis</i> L.f. ^[10]	<i>Shaak</i>	Sagon	<i>Vatadi</i>
90	Violaceae	<i>Viola odorata</i> L. ^[13]	<i>Banafsha</i>	Banafsha	<i>Parishishta</i>
91	Vitaceae	<i>Vitis vinifera</i> L. ^[9]	<i>Draksha</i>	Angur/ Kismis	<i>Amradiphala</i>

		<i>Cayratia trifolia</i> (L.) Domin ^[9]	<i>Gandira</i>	Amarvel	<i>Anekarthanama</i>
92	Zingiberaceae	<i>Zingiber officinale</i> Roscoe. ^[8]	<i>Ardraka</i>	Adrakh	<i>Haritakyadi</i>
		<i>Elettaria cardamomum</i> (L.) Maton ^[12]	<i>Ela</i>	Choti elachi	<i>Karpuradi</i>
		<i>Curcuma longa</i> L. ^[8]	<i>Haridra</i>	Haldi	<i>Haritakyadi</i>
		<i>Costus speciosus</i> (J. Koenig) Sm ^[8] Syn. <i>Cheilocostus speciosus</i> (J.Koenig) C.D. Specht ^[14]	<i>Kebuka</i>	Kemuk	<i>Shaka</i>
		<i>Amomum aromaticum</i> Roxb ^[12]	<i>Sthula Ela</i>	Badhi elachi	<i>Karpuradi</i>
93	Zygophyllaceae	<i>Fagonia cretica</i> L. ^[10]	<i>Duralabha</i>	Dhamasa	<i>Guduchyadi</i>
		<i>Tribulus terrestris</i> L. ^[9]	<i>Gokshura</i>	Gokhru	<i>Guduchyadi</i>
		<i>Tribulus alatus</i> Delile ^[7] Syn. <i>Tribulus pentandrus</i> Forssk. ^[14]	<i>Gokshura (Bheda)</i>	Hasaka, Gokhurekalan	<i>Guduchyadi</i>

CONCLUSION

India has a bright cultural history of practicing herbal medicine. For north to south, each and every region has some common drugs and some particular drug in its flora. The knowledge of specific flora will help AYUSH practitioner as well as the pharmaceutical industry to develop drugs. The above review will definitely help to identify the different species of herbs available in Punjab.

It seems that, the flora of Punjab with special to *Bhavaprakasha Nighantu*, has around 322 plant species, out of which 84 belongs to *Guduchyadi Varga*, 44 belongs to *Haritakyadi Varga*, 37 to *Vatadi*, 34 to *Amradiphala*, 26 to *Pushpa*, 24 to *Parishishtha Bhaga*, 22 to *Shaka*, 16 to *Karpuradi*, 12 to *Dhanya*, each of 1 to *Kritanna*, *Ikshu*, *Anekarthanaam Varga* and around 20 species were not directly found as a reference in *Bhavaprakasha Nighantu* as shown in Fig 2.

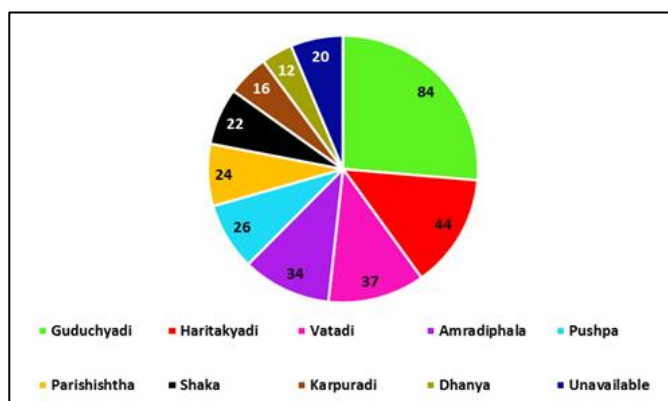


Figure 2: No. of Plants found in the flora of Punjab w.s.r. to *Bhavaprakasha Nighantu Varga*.

Around 93 plant families were involved in relation to the flora of Punjab. Out of which 32 belongs to family Fabaceae, 13 to family Malvaceae, each of 10 to Compositae, Cucurbitaceae, Poaceae, each of 9 to Caesalpiniaceae, Labiateae, Mimosaceae, Rutaceae, each of 8 to Apocynaceae, Euphorbiaceae, Liliaceae, Moraceae and each of 7 belongs to Asclepiadaceae, Combretaceae family. From the above review, we can conclude that, due to favorable climate, soil, irrigation facilities and geographical conditions, medicinal plants mostly belong to *Guduchyadi Varga* and from family Fabaceae were found more as compared to others. The present study has highlighted the list of available natural flora under medicinal purpose only, also which helps to increase the knowledge of traditional practitioners about current availability of medicinal herbs around their region. Equally, it helps to conserve the floristic diversity as well. Furthermore, survey studies should be required to verify the actual presence of enlisted herbs in their natural habitat along with endangered species in the flora of Punjab. The *Varga* wise classification will definitely help to get the brief knowledge about the herbs, which were mentioned in *Bhavaprakasha Nighantu*. However, the herbs which were not mentioned in the classical text, should be studied for their medicinal properties and will be used as an alternative in medicinal practices.

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