



FLORISTIC INVENTORY OF DISTRICT ROHTAK (HARYANA) INDIA

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Abstract

There is no comprehensive data available for floristic diversity of District Rohtak. Keeping these points in view, the present investigation was planned. District Rohtak is rich in diversity of flowering plants. The floristic survey was carried out during different seasons *viz.* pre-monsoon, monsoon and post-monsoon season of the year 2016-2017. During the course of investigation total 210 species belong to 169 genera and 57 families have been reported. These 57 families comprise 47 families belongs to dicotyledons with 173 species and 10 families of monocotyledonous with 37 species. The Fabaceae was the most dominant family with 23 species followed by Poaceae, Asteraceae, Solanaceae and Apocynaceae with 22, 13, 10, and 8 plants species respectively. The degradation of diversity is the result of several natural as well as anthropogenic factors. Hence, there is urgent need to protect the invaluable diversity of this region from further degradation. The present study will provide the baseline data for the stakeholders to plan the conservation of plant diversity in the district.

Key words: Rohtak, floristic diversity, anthropogenic, conservation.

Introduction

Floristic diversity generally refers to the variety and variability of plants in a given area. Floristic diversity deals with the enumeration of plant species growing in a particular region at a particular time. Floristic assessments are considered as the basic requirement to understand the current status of phytodiversity of a particular region. Floristic studies provide required knowledge about the various plant species, regarding their nomenclature, distribution, utility and ecology. Such studies also help to understand the basic aspects of biology such as speciation, isolation, endemism and evolution. The first and foremost process in appreciating the biodiversity is the taxonomic treatment of living organisms. Without appropriate knowledge of the exact species composition, it will be difficult to identify and implement conservation priorities for any ecosystem (Ragavan *et al.*, 2016).

In the course of floral studies, plant taxonomists are engaged in collecting information about diversity and distribution of plants throughout the world (Qureshi *et al.* 2011). Floristic studies record the enumeration, distribution, ecological status and association of plant species over different geographic regions. The study of socio-

economical significance of plant diversity is of much greater importance than of diversity alone. It is essential for human survival and economic well being and for ecosystem stability and functioning. This is an established fact that we get enormous benefits from plants and they fulfill almost all our requirements in the form of food, fodder, fuel, medicine, timber and resins etc. (Gaur, 1999). Due to large scale anthropogenic disturbances in the form of exclusive agricultural practices, industrialization, heavy grazing by livestock's, fuel-wood collection and forest fires, the floral as well as faunal diversity of earth is facing threats of extinction, which will eventually lead to unsustainable situation.

The most important cause extinction of diversity of district includes invasive species, climate change, encroachment of forest land for commercial and residential purposes etc. There were many floristic studies conducted in Haryana (Yadav *et al.*, 2010; Singh *et al.*, 2015; Kaur *et al.*, 2016; Kaur *et al.*, 2017; Mohan Lal *et al.*, 2017; Gulia *et al.*, 2017) but very little information is available about the floristic diversity of district Rohtak. Rohtak has very rich flora exhibiting diversity of flowering plant. Therefore, the present study was conducted to prepare an inventory of floristic diversity of plants of

Rohtak district in Haryana state.

Material and Methods

Description of the study site

Rohtak district is one of the 22 Districts of Haryana state in Haryana state in Northern India. It is located in the southeast of Haryana and northwest of Delhi, bounded by Jind and Sonipat districts to the east, and Hissar, Sirsa, and Bhiwani Districts to the west.

Methodology

Flora study:

The study was carried out during February, 2016 to January, 2017. The present study deals with inventorisation of floristic diversity of district Jhajjar. Floristic compositions of trees, shrubs along with herbs were

Table1: Characteristics of District Rohtak.

Coordination	28.8909°N76.5796°E
Country	Indian
State	Haryana
District	Rohtak
Government body	Municipal corporation of Rohtak
Total Area	115km ²
Population (2011)	374,292
Density	3,300/km ²
Language	Hindi
Pin	124001-124017
Major Highway	NH10,NH71,NH71A and SH18
Nearest city	Jhajjar, Sonipat, New Delhi
Railway station	Rohtak Jn, Bohar Jn
Website	Rohtak.nic.in



Fig. 1: Map of the study site

recorded. To record the vegetation of the study site, several collection trips were undertaken at weekly intervals throughout the six month covering the study period. Total visit during the year were about twenty eight. Necessary field equipments e.g. knife, hoe, a plastic rope with a hook tied to end (to pullout the hydrophytes from the water) and field book etc. were used, vasculum was replaced by polythene bags. Field observation for each specimen collected were note down in a field book on separate numbered pages. A tag bearing the same number was attached to specimen concern to avoid any confusion, whatever during processing, Experience showed that the pressing of specimen in the field was usually tedious sometime even annoying because of fast wind or strong sunshine. Furthermore, the quality of final product was also found adversely affected. However, plants with ephemeral flowers were pressed on the spot.

Results

In the present study for enumerating flora, a total 210 species belong to 169 genera and 57 families have been reported from District Rohtak. The list of plants documented is given in table 2.

Discussion

Floristic information and in depth knowledge about vegetation dynamics is considered as a necessary prerequisite for understanding the plant diversity of any region (Reddy and Pattanaik, 2009). A large number of studies have been conducted throughout the country on floristic inventories, ethnobotany, nativity and endemism. A compilation of flora for each and every region of India especially of those provinces has also been studied. Though several ethnobotanical studies (Yadav *et al.*, 2010; Yadav and Bhandoria, 2012; Shrivastva and Kanugo, 2013; Yadav *et al.*, 2014; Singh *et al.*, 2015; Singh *et al.*, 2016) have been undertaken in this region but no significant reference is available on floristic composition of this region. Therefore, present study has been conducted to inventories the floristic diversity of

Rohtak region.

In the present study for enumerating flora, a total 210 plant species belong to 169 genera and 57 families have been reported from District Rohtak. These 57 families comprise 47 families belongs to dicotyledonous with 173 species and 10 families of monocotyledonous with 37 species. Fabaceae is most dominant family with 23 species followed by Poaceae Asteraceae, Solanaceae and Apocynaceae with 22, 13, 10, and 8, plant species respectively. Five most dominant families are shown in fig. 2. Proteaceae, Oxalidaceae, Brassicaceae, Annonaceae, Cannabaceae, Xanthorrhoeaceae, Typhaceae, Primulaceae, Aizoaceae, Zygophyllaceae, Cannaceae, Araceae, Casurainaceae, Cucurbitaceae, Putranjivaceae, Nyctaginaceae, Apiaceae, Ranunculaceae and Portulacaceae etc. family has been reported from the distirct Rohtak. Monocot families reported were Poaceae, Arecaceae, Xanthorrhoeaceae, Typhaceae, Amaryllidaceae, Cannaceae, Asparagaceae, and Cyperaceae. There were 110 hurb, 47 shrubs and 53 trees were reported (fig. 3).

These plants may have been introduced both intentionally and unintentionally from different parts of the globe. Majority of the exotic plants have been introduced for ornamental, agriculture and forestry purposes. (National Biodiversity Report, 2009).

Awareness programmes are urgently needed to sensitize the people about the importance biodiversity for food, health and other needs of growing population for present and future generations. Capacity building in the field of taxonomy and biodiversity has also been highlighted as some other measures helpful for floristic diversity conservation in this region. There is need to develop a communication link between taxonomists, ecologists and land managers along with local people to monitor and control the invasive alien species. Further research is also needed to fill gaps of the present study, especially related to investigation of reproductive biology of rare and threatened plant species, invasion of exotic plant

Table 2: List of plants documented from District Rohtak.

S.No.	Scientific name	Common name	Family	Habit
1.	<i>Abelmoschus esculentum L.</i>	Bhindi	Malvaceae	Herb
2.	<i>Abutilonindicum(L.) Sweet</i>	Kanghi	Malvaceae	Shrub
3.	<i>AcaciaauriculiformisBenth.</i>	Auri	Fabaceae	Tree
4.	<i>Acacianilotica(L.) Delile</i>	Babool	Fabaceae	Tree
5.	<i>Achyranthesasperavar.borbonica</i> (Willd. ex Schult.) C.C.Towns	Chalf flower	Amaranthaceae	Herb
6.	<i>Agave Americana L.</i>	Centry plant	Asparagaceae	Shrub

Table 2 continue

Table 2 continued

S.No.	Scientific name	Common name	Family	Habit
7.	<i>Ageratumconyzoides</i> (L.) L.	Goat weed	Asteraceae	Herb
8.	<i>Albizialebeck</i> (L.) Benth	Siris	Fabaceae	Tree
9.	<i>Alliumcepa</i> L.	Onion	Amaryllidaceae	Herb
10.	<i>Alstoniascholaris</i> (L.) R. Br.	Black boaed tree	Apocynaceae	Tree
11.	<i>Alternantherapungens</i> Kunth	Joyweed	Amaranthaceae	Herb
12.	<i>Alternantherasessilis</i> (L.) R.Br. ex DC.	Sessile joyweed	Amaranthaceae	Herb
13.	<i>Amaranthusviridis</i> L.	Green amaranth	Amaranthaceae	Herb
14.	<i>Anagallisarvensis</i> L.	Chickweed	Primulaceae	Herb
15.	<i>Argemonemexicana</i> L.	Mexican poppy	Papaveraceae	Herb
16.	<i>Arundodonax</i> L.	Giant cane	Poaceae	Shrub
17.	<i>Asphodelustenuifolius</i> Cav.	Jungle piyaj	Xanthorrhoeaceae	Herb
18.	<i>Azadirachtaindica</i> A.Juss.	Neem	Meliaceae	Tree
19.	<i>Bauhiniavariegata</i> L.	Kachnar	Fabaceae	Tree
20.	<i>Beaucarnearecurvata</i> Lem.	Alephant foot	Asparagaceae	Shrub
21.	<i>Blumealacera</i> (Burm.f.) DC.	Jangli muli	Asteraceae	Herb
22.	<i>Bothriochloapertusa</i> (L.) A.Camus	Hurricane	Poaceae	Herb
23.	<i>Bougainvilleaspectabilis</i> Willd.		Nyctaginaceae	Herb
24.	<i>Brassicacampestris</i> L.	Field mustard	Brassicaceae	Herb
25.	<i>Brassica juncea</i> L.	Asli rai	Brassicaceae	Herb
26.	<i>Brassica nigra</i> L.	Kali sarso	Brassicaceae	Herb
27.	<i>Brassicaoleracea</i> L.	Wild cabbage	Brassicaceae	Herb
28.	<i>Calliandrahaematocephala</i> Hassk	Ruff powder tree	Fabaceae	Shrub
29.	<i>Callistemonlanceolatus</i> (Sm.) Sweet	Bottle brush	Myrtaceae	Tree
30.	<i>Calotropisprocera</i> (Aiton) Dryand.	Rubber tree	Apocynaceae	Shrub
31.	<i>Cannaglauca</i> L.	Canna lilly	Cannaceae	Herb
32.	<i>Cannabissativa</i> L.	Bhang	Cannabaceae	Herb
33.	<i>Cascabelathevetia</i> (L.) Lippold	Yellow kner	Apocynaceae	Shrub
34.	<i>Cassiafistula</i> L.	Golden shower	Fabaceae	Tree
35.	<i>Cassialeptophylla</i> Vogel	Coffee weed	Fabaceae	Shrub
36.	<i>Cassiasiamea</i> Lam.	Kassod tree	Fabaceae	Tree
37.	<i>Casuarinaequisetifolia</i> L.	Horsetail tree	Casurainaceae	Tree
38.	<i>Catharanthusroseus</i> (L.) G.Don	Sada bahar	Apocynaceae	Herb
39.	<i>Celosiaargentea</i> L.	Silver cock comb	Amaranthaceae	Herb
40.	<i>Cenchrusbiflorus</i> Roxb.	Bhurat	Poaceae	Herb
41.	<i>Cenchrusciliaris</i> L	Biffel grass	Poaceae	Herb
42.	<i>Cenchrusetiger</i> Vahl	Buffel grass	Poaceae	Herb
43.	<i>Cestrum nocturnum</i> L.	Rat ki rani	Solanaceae	Shrub
44.	<i>Chenopodium album</i> L.	Nettle leaf goosefoot	Chenopodiaceae	Herb
45.	<i>Chenopodiumamaranticolor</i> (H.J.Coste & A.Reyn.) H.J.Coste & A.Reyn.	Goosefoot	Chenopodiaceae	Herb
46.	<i>Chenopodiummurale</i> L.	Goosefoot	Chenopodiaceae	Herb
47.	<i>Cicer arietinum</i> L.	Chna	Fabaceae	Herb
48.	<i>Cirsiumarvense</i> (L.) Scop.	Prickly thistle	Asteraceae	Herb
49.	<i>Citrus reticulate</i> Blanco.	Santra	Rutaceae	tree
50.	<i>Citrus sinensis</i> L.	Mousmi	Rutaceae	Tree
51.	<i>Clerodendrumindicum</i> (L.) Kuntze	Seaside clerodendrum	Verbenaceae	Shrub
52.	<i>Cocciniagrandis</i> (L.) Voigt	Little gourad	Cucurbitaceae	Herb
53.	<i>Cocculushirsutus</i> (L.) W.Theob.	Ink berry	Menispermaceae	Shrub
54.	<i>Convolvulus arvensis</i> L.	Harinkhuri,	Convolvulaceae	Herb
55.	<i>Corchorus capusularis</i> L.	Jute	Malvaceae	Herb
56.	<i>Cordiamyxa</i> L.	Lasura	Boraginaceae	Tree
57.	<i>Cordylinefruticosa</i> (L.) A.Chev.	Good luck plant	Asparagaceae	Shrub
58.	<i>Coriandrum sativum</i> L.	Dhania	Apiaceae	Herb

Table 2 continue

Table 2 continued

S.No.	Scientific name	Common name	Family	Habit
59.	<i>Crinumasiaticum</i> L.	Poison bulb	Amaryllidaceae	Herb
60.	<i>Crinumdariniense</i> Woodson	Sudarshan	Amaryllidaceae	Herb
61.	<i>Crotonbonplandianus</i> Baill.	Bon tulshi	Euphorbiaceae	Herb
62.	<i>Cucumis colossus</i> L.	Kachri	Cucurbitaceae	Herb
63.	<i>Cucumis melo</i> L.	Kharbuja	Cucurbitaceae	Herb
64.	<i>Cuscuta hyaline</i> L.	Amarbel	Convolvulaceae	Herb
65.	<i>Cycasrevoluta</i> Thunb.	Sago palm	Cycadaceae	Tree
66.	<i>Cynodondactylon</i> (L.) Pers.	Dhoob	Poaceae	Herb
67.	<i>Cyperusdifformis</i> L.	Smallflowered umbrella-sedge	Cyperaceae	Herb
68.	<i>Dactylocteniumaegyptium</i> (L.) Willd.	Crowfoot grass	Poaceae	Herb
69.	<i>Dalbergiasissoo</i> DC..	Sheesham	Fabaceae	Tree
70.	<i>Daturainnoxia</i> Mill.	Indian apple	Solanaceae	Shrub
71.	<i>Daucus carota</i> (L.)	Wild carrot	Apiaceae	Herb
72.	<i>Delonixregia</i> (Hook.) Raf.	Gulmohar	Fabaceae	Tree
73.	<i>Dendrocalamusstrictus</i> (Roxb.) Nees	Bamboo	Poaceae	Shrub
74.	<i>Desmostachyabipinnata</i> (L.) Stapf	Daabh	Poaceae	Herb
75.	<i>Digitariaciliaris</i> (Retz.) Koeler	Crabgrass	Poaceae	Herb
76.	<i>Durantaobtusifolia</i> Kunth	Sky flower	Verbenaceae	Shrub
77.	<i>Ecliptaprostrata</i> (L.) L.	False daisy	Asteraceae	Herb
78.	<i>Epipremnumaureum</i> (Linden & André) G.S.Bunting	Money plant	Araceae	Herb
79.	<i>Erigeronbonariensis</i> L.	Fleabane	Asteraceae	Herb
80.	<i>Eucalyptuscoccifera</i> Hook.f.	Sfeda	Myrtaceae	Tree
81.	<i>Eugenia jambolana</i> L.	Jamun	Myrtaceae	Tree
82.	<i>Euphorbiadracunculoides</i> Lam.	Dragon spurge	Euphorbiaceae	Herb
83.	<i>Euphorbiagranulata</i> Forssk.	Desert spurge	Euphorbiaceae	Herb
84.	<i>Euphorbiahirta</i> L.	Asthma weed	Euphorbiaceae	Herb
85.	<i>Euphorbia milli</i> Des moult.	Crown of thorn	Euphorbiaceae	Herb
86.	<i>Fernandoaadendophylla</i> (Wall. ex G.Don) Steenis	Marodphali	Bignoniaceae	Tree
87.	<i>Festucaglauca</i> Vill	Blue fescue	Poaceae	Herb
88.	<i>Ficusbenghalensis</i> L.	Bargad	Moraceae	Tree
89.	<i>Ficus benzamena</i> L. .	Ficus tree	Moraceae	Tree
90.	<i>Ficusindigofera</i> Rech.	Pilkhan	Moraceae	Tree
91.	<i>Ficusracemosa</i> L.	Guular	Moraceae	Tree
92.	<i>Ficus religiosa</i> L.	Bodhi	Moraceae	Tree
93.	<i>Fumariaparviflora</i> Lam.	Indian fumitory	Papaveraceae	Herb
94.	<i>Gomphrenaserrata</i> L	Prostrate gomphrena	Amaranthaceae	Herb
95.	<i>Grevillearobusta</i> A.Cunn. ex R.Br.	Silky oak	Proteaceae	Tree
96.	<i>Hameliapatens</i> Jacq.	Firebush	Rubiaceae	Shrub
97.	<i>Heliotropiumcurassavicum</i> L.	Salt heliotrope	Boraginaceae	Herb
98.	<i>Heliotropiumeuropaeum</i> L.	European heliotrope	Boraginaceae	Herb
99.	<i>Hibiscus rosa sinensis</i> L.	China rose	Malvaceae	Shrub
100.	<i>Hordeum vulgare</i> (L.)	Jav	Poaceae	Herb
101.	<i>Imperatacylindrica</i> (L.) Rausch.		Poaceae	Herb
102.	<i>Indigoferalinnaei</i> Ali		Fabaceae	Herb
103.	<i>Ipomoeacairica</i> (L.) Sweet	Morning glory	Convolvulaceae	Herb
104.	<i>Ipomoeacarnea</i> Jacq.	Pink morning glory	Convolvulaceae	Herb
105.	<i>Jatropha curcus</i> L.	Jatropha	Euphorbiaceae	Tree
106.	<i>Justica Adathoda</i> L.	Malabar nut	Acanthaceae	Shrub
107.	<i>Lagerstroemiaindica</i> L.	Crape myrtle	Lythraceae	Shrub
108.	<i>Lantanaacamaral</i> L.	Raimuniya	Verbenaceae	Shrub
109.	<i>Lathyrusodoratus</i> L.	Sweet pea	Fabaceae	Herb

Table 2 continue

Table 2 continued

S.No.	Scientific name	Common name	Family	Habit
110.	<i>Launaeanudicaulis</i> (L.) Hook.f.	Jangli gobhi	Asteraceae	Herb
111.	<i>Lawsonia inermis</i> L.	Mhendi	Lythraceae	Shrub
112.	<i>Lepidiumdidymum</i> L.	Lesser swine creep	Brassicaceae	Herb
113.	<i>Leucaenaleucocephala</i> (Lam.) de Wit	Mimosoid tree	Fabaceae	Tree
114.	<i>Luffa cylindrical</i> L.	Tori	Cucurbitaceae	Herb
115.	<i>Lyciumeuropaeum</i> L.	European tea tree	Solanaceae	Shrub
116.	<i>Lycopersiconesulentum</i> Mill.	Tamatar	Solanaceae	Herb
117.	<i>Malvaparviflora</i> L.	Cheeseweed	Malvaceae	Herb
118.	<i>Malvastrumcoromandelianum</i> (L.) Garcke	False mallow	Malvaceae	Herb
119.	<i>Meliaazedarach</i> L.	White cedar	Meliaceae	Tree
120.	<i>Melilotus indica</i> (L.)	Indian sweet clover	Fabaceae	Herb
121.	<i>Mentha arvensis</i> L.	Pudina	Lamiaceae	Herb
122.	<i>Monsteraedliciosa</i> Liebm.	Ceriman	Asparagaceae	Herb
123.	<i>Morusalba</i> L.	Tuta	Moraceae	Tree
124.	<i>Murrayapaniculata</i> (L.) Jack	Orange Jessamine	Rutaceae	Shrub
125.	<i>Neolamareckiacadamba</i> (Roxb.) Bosser	Kadam	Rubiaceae	Tree
126.	<i>Nerium oleander</i> L.	Kner	Apocynaceae	Shrub
127.	<i>Nicotianaplumbaginifolia</i> Viv.	Tex –max tobacco	Solanaceae	Herb
128.	<i>Ocimumbasilicum</i> L.	Sweet basil	Lamiaceae	Herb
129.	<i>Ocimumsanctum</i> L.	Tulshi	Lamiaceae	Herb
130.	<i>Oryza sativa</i> L.	Dhan	poaceae	Herb
131.	<i>Oxaliscorniculata</i> L.	Sleeping beauty	Oxalidaceae	Herb
132.	<i>Partheniumhysterophorus</i> L.	Congress weed	Asteraceae	Herb
133.	<i>Pedilanthustithymaloides</i> (L.) Poit.	Devil blackbane	Euphorbiaceae	Shrub
134.	<i>Pennisetum glaucum</i> (L.)R.br.	Bajra	Poaceae	Shrub
135.	<i>Peristrophecalyculata</i> (Retz.) Nees	Atrilal	Acanthaceae	Herb
136.	<i>Phalaris minor</i> Retz.	Bluri	poaceae	Herb
137.	<i>Phoenixdactylifera</i> L.	Date palm	Arecaceae	Tree
138.	<i>Phylanodiflora</i> (L.) Greene	Frog fruit	Verbenaceae	Herb
139.	<i>Phyllanthusemblica</i> L.	Amla	Phyllanthaceae	Tree
140.	<i>Phyllanthusniruri</i> L.	Phyllanthus plant	Phyllanthaceae	Herb
141.	<i>Physalismatchula</i> L.	Ground cherry	Solanaceae	Shrub
142.	<i>Plumeriaalba</i> L.	Frangipani	Apocynaceae	Shrub
143.	<i>Polyalthialongifolia</i> (Sonn.) Thwaites	Ashok tree	Annonaceae	Tree
144.	<i>Polygonumplebeium</i> R.Br.	Knotweed	Polygonaceae	Herb
145.	<i>Polypogon × adscendens</i> Guss.	Beard- grass	Poaceae	Herb
146.	<i>Pongamiapinnata</i> (L.) Pierre	Karanj	Fabaceae	Tree
147.	<i>Populus alba</i> L.	Poplar	Salicaceae	Tree
148.	<i>Portulacaoleracea</i> L.	Pigweed	Portulacaceae	Herb
149.	<i>Prosopisjuliflora</i> (Sw.) DC.	Mosquito tree	Fabaceae	Tree
150.	<i>Prosopis julliflora</i> (Sw.) DC.	kiker	Fabaceae	Tree
151.	<i>Psidiumguajava</i> L.	Amrud	Myrtaceae	Tree
152.	<i>Pterospermumacerifolium</i> (L.) Willd.	Kanak champa	Malvaceae	Tree
153.	<i>Punicagranatum</i> L.	Anar	Lythraceae	Shrub
154.	<i>Putranjivaroxburghii</i> Wall.	Lucky bean tree	Putranjivaceae	Tree
155.	<i>Pyrostegiavenusta</i> (Ker Gawl.) Miers	Golden shower	Bignoniaceae	Herb
156.	<i>Quisqualiscaudata</i> Craib	Rangoon creeper	Combretaceae	Herb
157.	<i>Ranunculussecleratus</i> L.	Cursed buttercup	Ranunculaceae	Herb
158.	<i>Raphanussativus</i> L.	Radish	Brassicaceae	Herb
159.	<i>Rauwolfia serpentine</i> L.(Benth)	Sarpagandha	Apocynaceae	Shrub
160.	<i>Rhynchosiaminima</i> (L.) DC.	Jumby bean	Fabaceae	Herb
161.	<i>Ricinuscommunis</i> L.	Castor oil plant	Euphorbiaceae	Tree
162.	<i>Roystoneaeregia</i> (Kunth) O.F.Cook	Royal palm	Arecaceae	Tree

Table 2 continue

Table 2 continued

S.No.	Scientific name	Common name	Family	Habit
163.	<i>Rumexdentatus</i> L.	Toothed dock	Polygonaceae	Herb
164.	<i>Saccharummaximum</i> (Brongn.) Trin.	Munja	Poaceae	Shrub
165.	<i>Saccharumofficinarum</i> L.	Sugarcane	Poaceae	Shrub
166.	<i>Saccharumspontaneum</i> L.	Wild sugarcane	Poaceae	Shrub
167.	<i>Salvadora Persica</i> L.	Jal	Salvadoraceae	Tree
168.	<i>Sansevieriatrifasciata</i> Prain	Mother in law tongue	Asparagaceae	Herb
169.	<i>Sesbania bispinosa</i> (Jacq.)W.wight	Jantar	Fabaceae	Shrub
170.	<i>Solanummelongena</i> L.	Eggplant	Solanaceae	Herb
171.	<i>Solanumnigrescens</i> M. Martens & Galeotti	Nightshade	Solanaceae	Shrub
172.	<i>Solanumtuberosum</i> L.	Potato	Solanaceae	Herb
173.	<i>Solanum virginianum</i> L.	Thorny night shade	Solanaceae	Herb
174.	<i>Sonchusasper</i> (L.) Hill	Spiny sow thistle	Asteraceae	Herb
175.	<i>Sonchusoleraceus</i> (L.) L.	Sow thistle	Asteraceae	Herb
176.	<i>Spergularvensis</i> L.	Corn spury	Caryophyllaceae	Herb
177.	<i>Spinaciaoleracea</i> L.	Spinach	Amaranthaceae	Herb
178.	<i>Stellariamedia</i> (L.) Vill	Chick weed	Caryophyllaceae	Herb
179.	<i>Syzygiumcumini</i> (L.) Skeels	Jamun	Myrtaceae	Tree
180.	<i>Tabernaemontanadivaricata</i> (L.) R.Br. ex Roem. & Schult.	Crape jasmine	Apocynaceae	Shrub
181.	<i>Tageteserecta</i> L.	Marigold	Asteraceae	Herb
182.	<i>Tamarindus indica</i> L.	Imli	Fabaceae	Tree
183.	<i>Tamarixafricana</i> Poir.	Salt cedar	Tamaricaceae	Shrub
184.	<i>Tamarixaphylla</i> (L.) H.Karst.	Athel pine	Tamaricaceae	Tree
185.	<i>Tephrosiapurpurea</i> (L.) Pers	Jangli neel	Fabaceae	Herb
186.	<i>Terminaliaarjuna</i> (Roxb. ex DC.) Wight & Arn	Arjun	Combretaceae	Tree
187.	<i>Terminellia belerica</i> Roxb.	Bahera	Combretaceae	Tree
188.	<i>Thujaoccidentalis</i> L.	White cedar	Cupressaceae	Tree
189.	<i>Toona ciliate</i> M.Roem.	Red cedar	Meliaceae	Tree
190.	<i>Trachyspermum ammi</i> L.	Ajwain	Apiaceae	Herb
191.	<i>Tradescantia pallid</i> (rose)D.R	Wandering Jew	Commelinoideae	Herb
192.	<i>Trianthemaportulacastrum</i> L.	Black pigweed	Aizoaceae	Herb
193.	<i>Tribulusterrestris</i> L.	Land caltrop	Zygophyllaceae	Herb
194.	<i>Tridaxprocumbens</i> (L.) L.	Coat button	Asteraceae	Herb
195.	<i>Trifolium Alexandrinum</i> L.	Barsam	Fabaceae	Herb
196.	<i>Trigonellafoenum-graecum</i> L.	Fenugreek	Fabaceae	Herb
197.	<i>Triticum aestivum</i> L.	Gahun	poaceae	Herb
198.	<i>Triumfettarhomboides</i> Jacq.	Burr bush	Malvaceae	Shrub
199.	<i>Tropaeolum majus</i> L.	Indian cress	Tropaeolaceae	Herb
200.	<i>Typhaangustifolia</i> L.	Cattail	Typhaceae	Shrub
201.	<i>Urena lobata</i> L.	Congo jute	Malvaceae	Shrub
202.	<i>Verbesinaencelioides</i> (Cav.) Benth. & Hook.f. ex A.Gray	Golden crownbeard	Asteraceae	Shrub
203.	<i>Viciasativa</i> L.	Tare	Fabaceae	Herb
204.	<i>Washingtoniafilifera</i> (Linden ex André) H.Wendl. ex de Bary	California palm	Arecaceae	Tree
205.	<i>Withaniasomnifera</i> (L.) Dunal	Ashwagandha	Solanaceae	Shrub
206.	<i>Xanthiumstrumarium</i> L.	Cocklebur	Asteraceae	Shrub
207.	<i>Zea may</i> L.	Makka	poaceae	Shrub
208.	<i>Ziziphusjuba</i> Mill.	Jujube	Rhamnaceae	Tree
209.	<i>Ziziphusmairei</i> Dode	Indian plum	Rhamnaceae	Shrub
210.	<i>Ziziphusnummularia</i> (Burm.f.) Wight & Arn	Jharber	Rhamnaceae	Shrub

species, documentation and bioprospection of endemic medicinal plants.

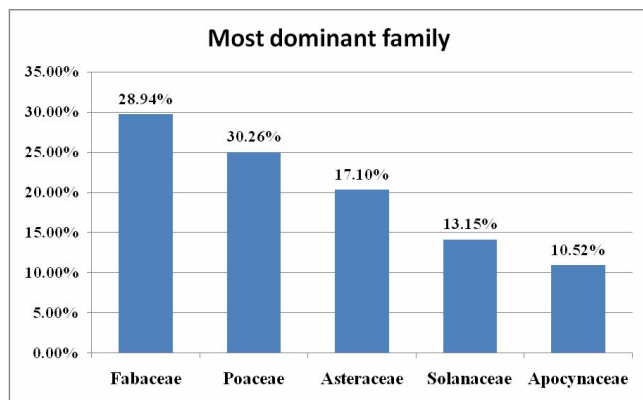


Fig. 2: Dominant plant families in District Rohtak.

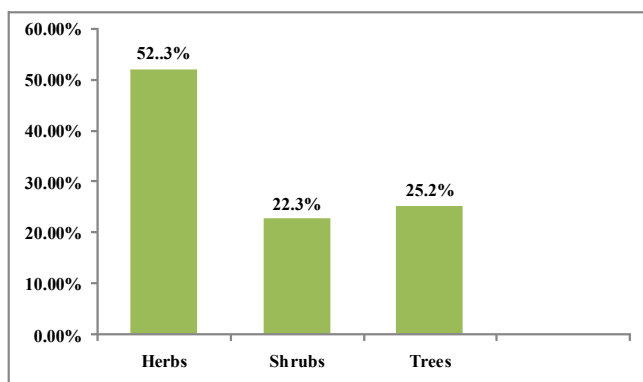


Fig. 3: Habit of flora.

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