Report on
Plant Diversity of
Jaysingpur College, Jaysingpur
(Environmental Audit)

Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

Report on

Plant Diversity of

Jaysingpur College, Jaysingpur

Introduction

The plant diversity present in an area is important to understand the diverse ecosystem and niche. The diversity is the variety and variability of organisms on the earth. It includes variations within and between species present in particular ecosystems. The diversity in plants brings enormous benefits to mankind from direct harvesting of plants for food, medicine, fuel, construction materials and other uses to aesthetic, cultural, recreational and research values.

The "flora" of any given region is usually explained in biological terms to include the genus and species of plant life, their preferred growing habits and their connection to one another in the environment as well.

The documentation of local flora means to make an organized collection or record by describing the morphology and number of a particular plant species at a given area and a particular time. The floral study is a study we use to describe the variety of plant species in a specific area of a country.

The present study deals with the documentation of the floral diversity within the College campus. The Jaysingpur College, Jaysingpur is situated in the heart of Jaysingpur cityand has quite an impressive amount of plant diversity, including both monocotyledons and dicotyledons. The various trees and bushes associated with the field serves as a roosting place of the different species of birds at different times of the day.


JAYSINGPUR COLLEGE, JAYSINGPUR


जयसिंगपूर कॉलेज, जयसिंगपूर

Geographic Location and Climatic Conditions

Jaysingpur College, Jaysingpur was established by Anekant Society way back in 1964 with the inspiration from the blessings of Saint Late Samantbhadra Maharaj.

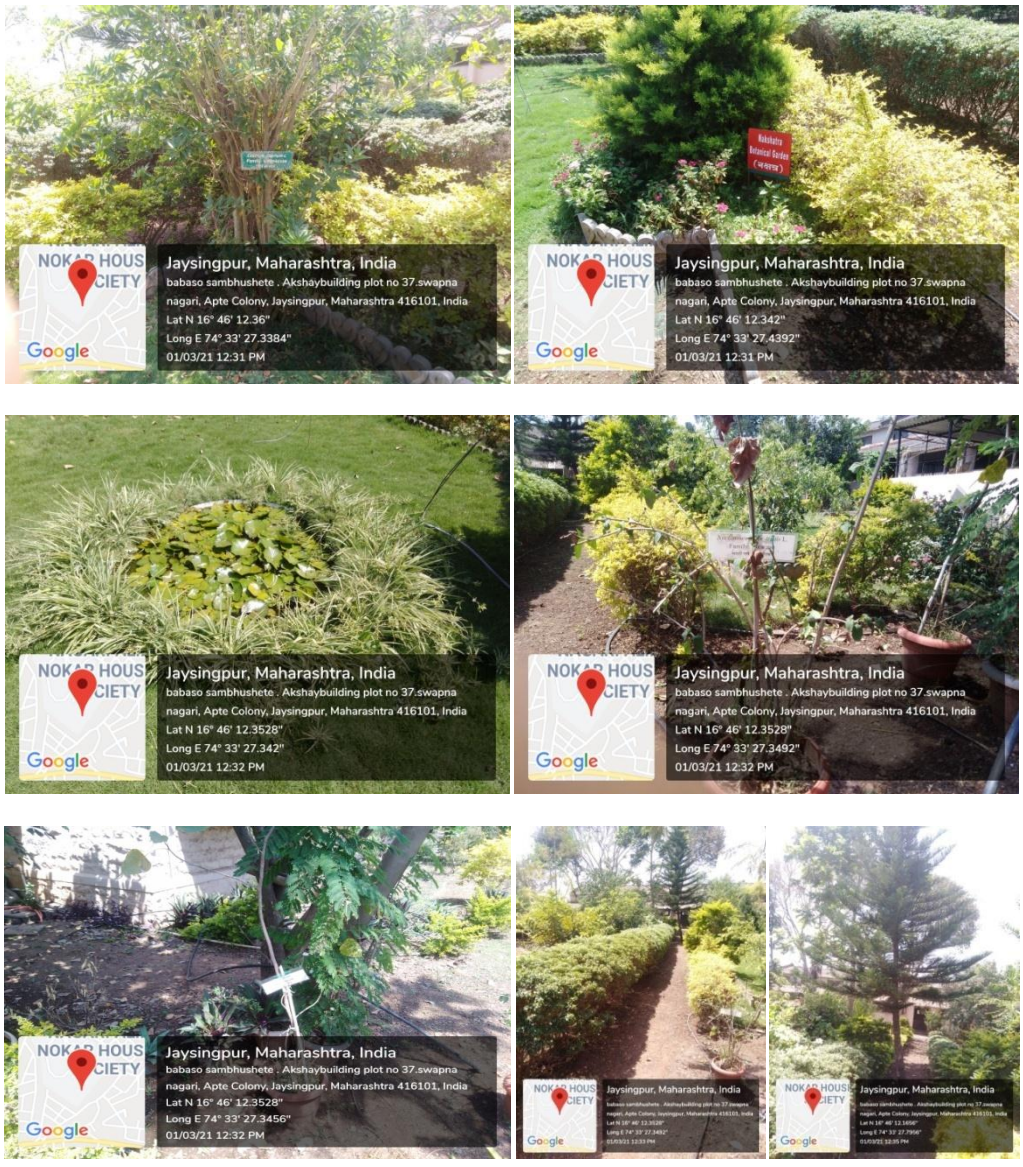
The college is affiliated to the Shivaji University, Kolhapur. The college is government funded as per provisions of the rules of grant-in-aid scheme as operative in Government affiliated colleges. It is creditable for the college to start some, self-financing courses with a view to augment financial sources and also to provide job-oriented education to the students. It got recognition from the University Grants Commission under 2(f) in March 1982 and 12 B in June 2007.Its latitudinal extent varies from 16.770794 N, 74.556805 E

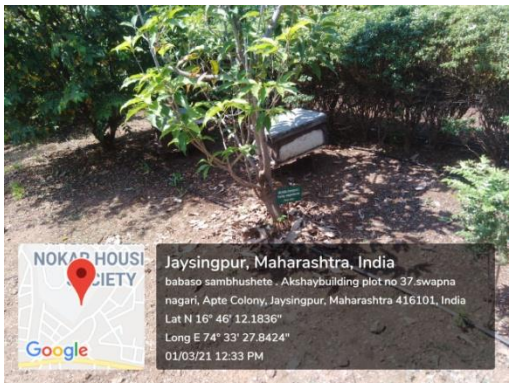
Also, college campus include Botanic garden, biodiversity garden, Butterfly garden, and medicinal plant Garden. The botanical garden is situated near the office building and includes a diverse flora.

The Department of Botany has taken initiative in assessment of plant diversity in campus of Jaysingpur College, Jaysingpur. In initial phase, we invited an expert taxonomist, Dr. M. M. Aitawade, Assistant professor, Sharadchandra Mahavidyalaya, Lonand, Dist. Satara for identification and nomenclature of plants in campus. The program was started at 9:30 AM with introduction of guest. The 17 students (15 girls and two boys) of T. Y. B.Sc. botany were actively participated in biodiversity

assessment program. During this program a total 1591 individual plants were identified and identification labeled were tagged on plant individuals. During this assessment we found that a campus has rich plant diversity which includes 204 genera and 264 species of angiosperms plants.

Botanical Garden

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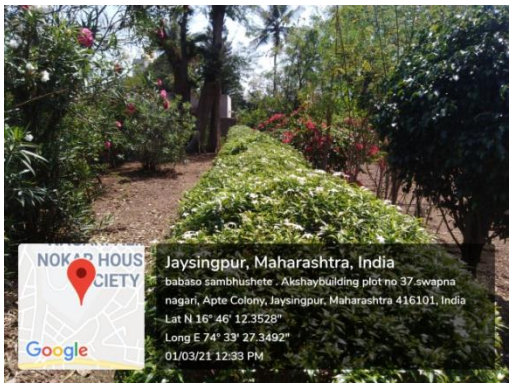
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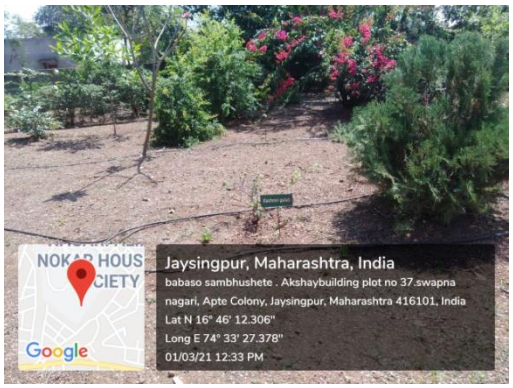
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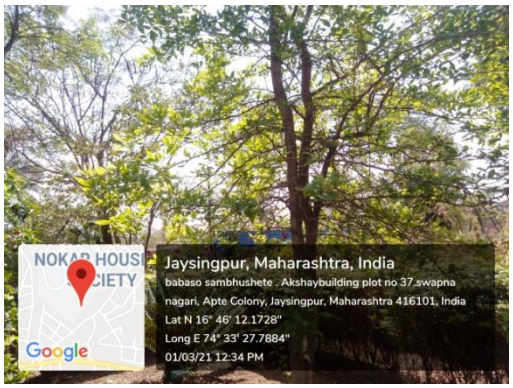
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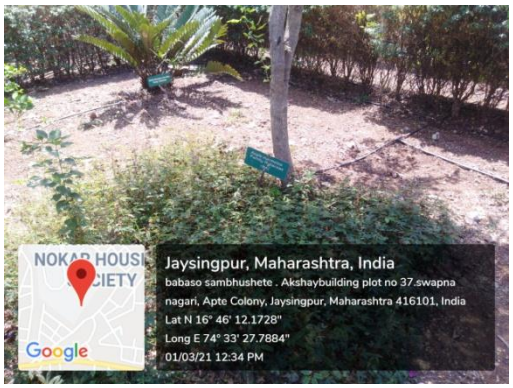
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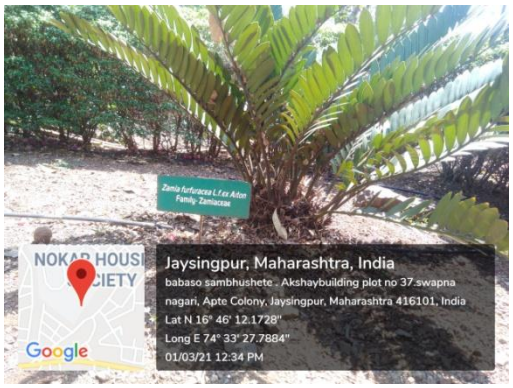
Zamia furfuracea L.f.ex Aiton
Family- Zamiaceae
Jaysingpur, Maharashtra, India
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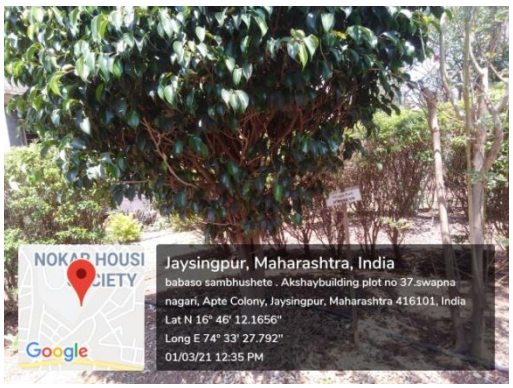
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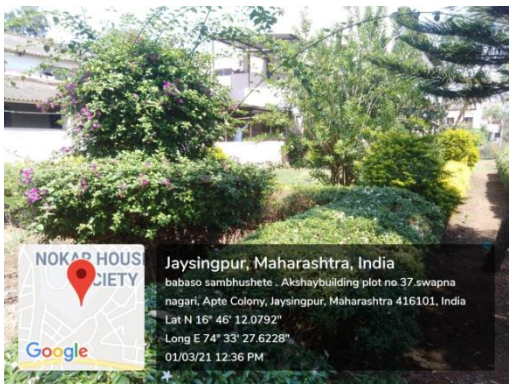
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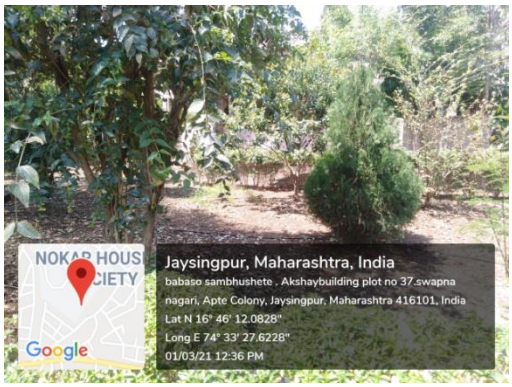

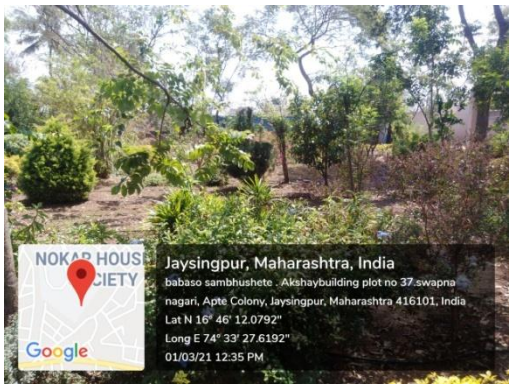

The biodiversity centre and butterfly garden is situated at the left side of entrance gated of college. The butterfly garden is a resting place for various butterfly species.

BIODIVERSITY GARDEN

BUTTERFLY GARDEN

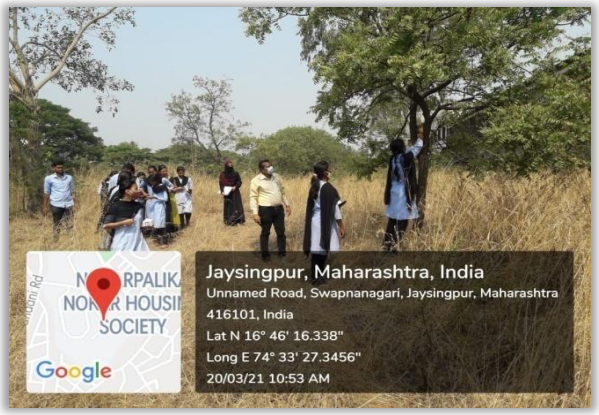

Photo: Number tagging to individual tree species

Photo: Identification of plant species (Expert: Dr. M. M. Aitawade)

Terminalia arjuna (Roxb. ex DC.) Wight & Am.

Saraca asoka

Terminalia bellirica (Gaertn.) Roxb.

Aegle marmelos (L.) Corrêa

Phyllanthus acidus (L.)

Pongamia pinnata (L.) Pierre

Syzygium cumini (L.) Skeels

Pterocarpus marsupium Roxb

Azadirachta indica A.Juss.

Cassia fistula L.

Santalum album L.

Butea monosperma (Lam.) Kuntze

Nerium indicum Mill.

Averrhoa carambola L.

Barleria cristata var. *dichotoma* Roxb.

Zamia furfuracea L.f.

Ixora coccinea L.

Gliricidia sepium (Jacq.) Kunth

Araucaria columnaris Hook.

Costus pictus D.Don ex Lindl.

Hibiscus rosa-sinensis L.

Terminalia arjuna (Roxb. ex DC.) Wight & Am.

Saraca asoka

Terminalia bellirica (Gaertn.) Roxb.

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Pterocarpus marsupium Roxb

Azadirachta indica A.Juss.

Cassia fistula L.

Santalum album L.

Butea monosperma (Lam.) Kuntze

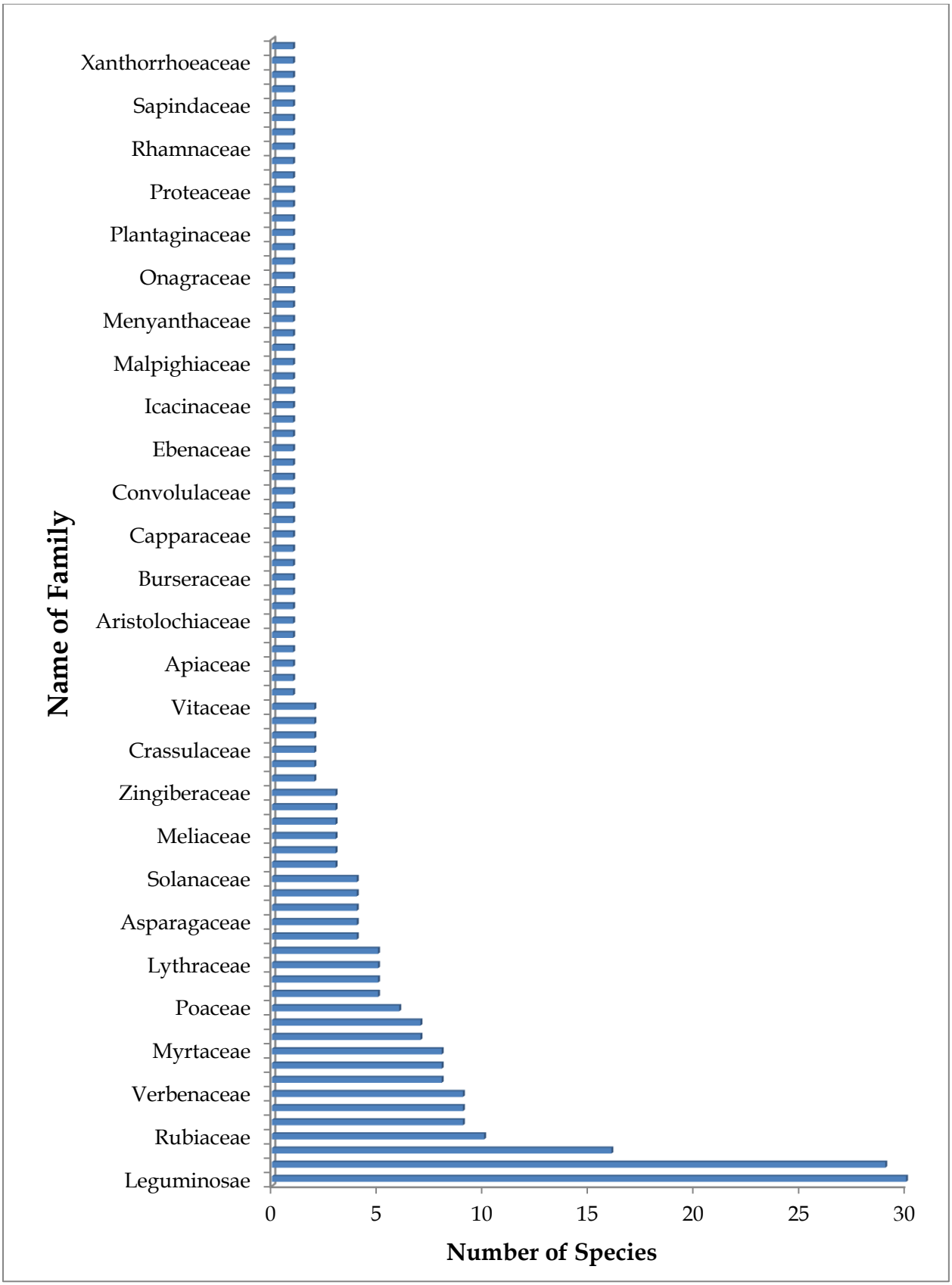
The List of flowering plant families along with number of genera species and individuals

Sr. No.	Family	Number of Genera	Number of Species	Number of Individuals*
1	Acanthaceae	5	7	15
2	Amaranthaceae	1	1	1
3	Amaryllidaceae	1	1	4
4	Anacardiaceae	3	29	30
5	Annonaceae	3	4	30
6	Apiaceae	1	1	1
7	Apocynaceae	13	16	73
8	Araceae	1	1	1
9	Araucariaceae	1	1	2
10	Arecaceae	5	5	24
11	Aristolochiaceae	1	1	10
12	Asparagaceae	3	4	8
13	Asteraceae	3	3	1
14	**B**alsaminaceae	1	1	2
15	Bignoniaceae	9	9	21
16	Bixaceae	1	1	1
17	Boraginaceae	2	2	2
18	Burseraceae	1	1	1
19	Cactaceae	2	2	18
20	Callophylaceae	1	1	4
21	Cannaceae	1	1	2
22	Capparaceae	1	1	4
23	Caricaceae	1	1	2
24	Clusaceae	1	1	2
25	Combretaceae	2	7	30
26	Convolulaceae	1	1	1
27	Costaceae	1	1	2
28	Crassulaceae	2	2	9
29	Cycadaceae	1	1	2
30	Ebenaceae	1	1	1
31	Eleocarpaceae	1	1	2

32	Euphorbiaceae	5	5	17
33	Euphorbiaceae	1	1	14
34	Icacinaceae	1	1	1
35	Lamiaceae	7	8	36
36	Lauraceae	1	1	2
37	Leguminosae	29	30	279
38	Liliaceae	2	3	6
39	Lythraceae	3	5	8
40	Magnoliaceae	1	1	5
41	Malpighiaceae	1	1	1
42	Malvaceae	8	8	14
43	Melastomaceae	1	1	1
44	Meliaceae	3	3	85
45	Menispermaceae	1	1	5
46	Menyanthaceae	1	1	5
47	Moraceae	4	9	278
48	Muntingiaceae	1	1	1
49	Myrristicaceae	1	1	1
50	Myrtaceae	5	8	25
51	Nyctaginaceae	2	3	16
52	Oleaceae	2	4	7
53	Onagraceae	1	1	2
54	Oxalidaceae	2	2	1
55	Passifloraceae	1	1	2
56	Phyllanthaceae	2	3	7
57	Piperaceae	1	1	2
58	Plantaginaceae	1	1	2
59	Plumbaginaceae	1	1	49
60	Poaceae	3	6	23
61	Portulacaceae	1	1	2
62	Proteaceae	1	1	34
63	Putranjivaceae	1	1	1
64	Ranunculaceae	1	1	1
65	Rhamnaceae	1	1	3
66	Rosaceae	1	1	24
67	Rubiaceae	7	10	61
68	Rutaceae	4	5	18

69	Santalaceae	1	1	23
70	Sapindaceae	1	1	2
71	Sapotaceae	3	4	15
72	Simaroubaceae	2	2	6
73	Solanaceae	3	4	8
74	Sterculaceae	1	1	1
75	Sterelitziaceae	1	1	1
76	Verbenaceae	8	9	155
77	Vitaceae	2	2	7
78	Xanthorrhoeaceae	1	1	10
79	Zingiberaceae	3	3	8
80	Zygophyllaceae	1	1	10
	Total	**207**	**272**	**1591***

Note: '*' indicates the numbers of species are more and unable to count


Xanthorrhoeaceae
Sapindaceae
Rhamnaceae
Proteaceae
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Onagraceae
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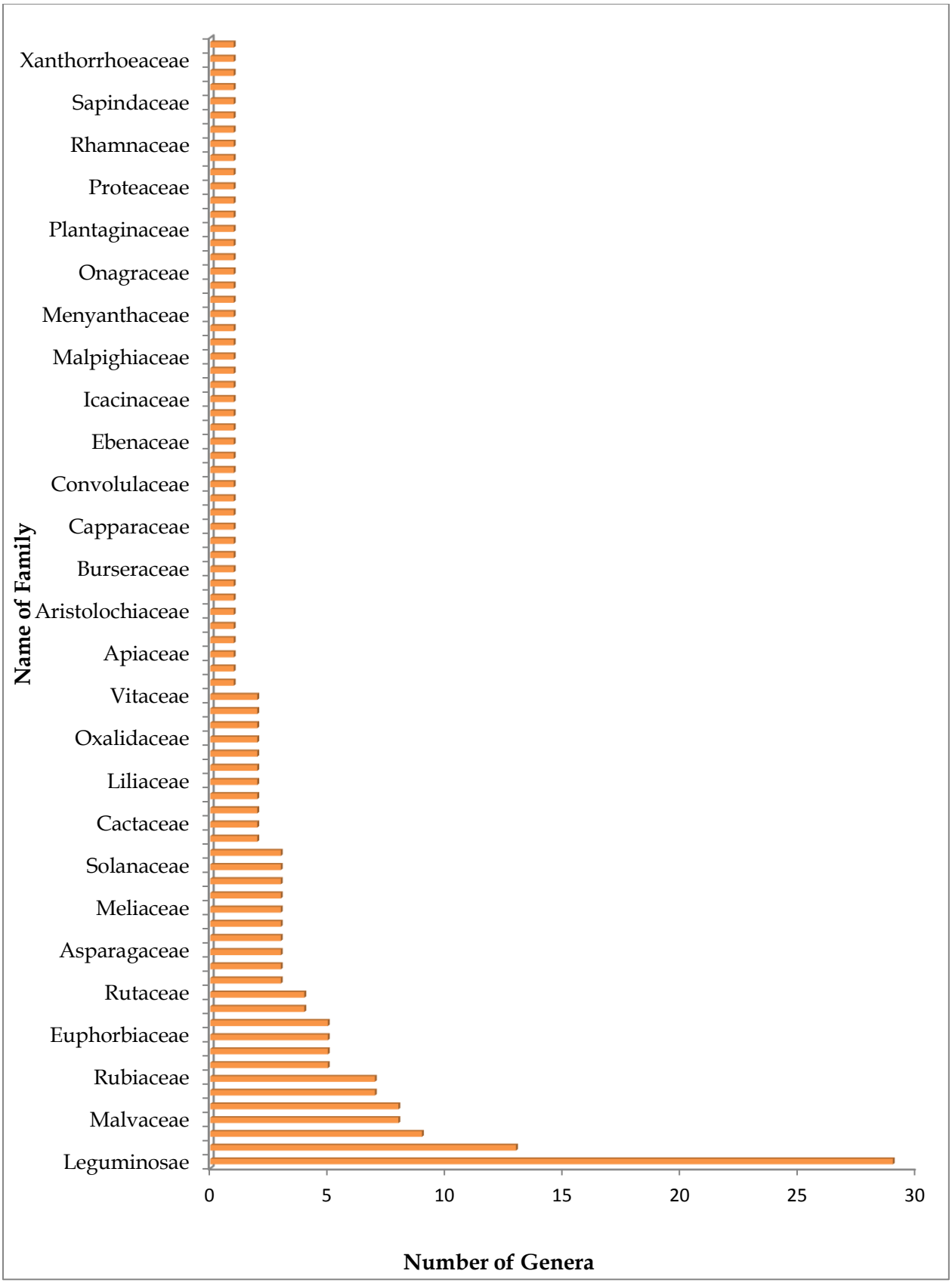
Ebenaceae
Convolulaceae
Capparaceae
Burseraceae
Aristolochiaceae
Apiaceae
Vitaceae
Crassulaceae
Zingiberaceae
Meliaceae
Solanaceae
Asparagaceae
Lythraceae
Poaceae
Myrtaceae
Verbenaceae
Rubiaceae
Leguminosae
Name of Family
0
5
10
15
20
25
30
Number of Species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Oxalidaceae
Liliaceae
Cactaceae
Solanaceae
Meliaceae
Asparagaceae
Rutaceae
Euphorbiaceae
Rubiaceae
Malvaceae
Leguminosae
Name of Family
0
5
10
15
20
25
30
Number of Genera

Sr. No.	Family	Botanical Name	No. of Individuals
1	Acanthaceae	*Ruellia* sps.	2
2		*Justicia adhatoda* L.	3
3		*Barleria cristata* L.	2
4		*Barleria involucrata* var. *elata* (Dalzell) C.B.Clarke	3
5		*Barleria prionitis* L.	2
6		*Crossandra infundibuliformis* (L.) Nees	2
7		*Andrographis paniculata* (Burm. A) Nees	1
8	Amaranthaceae	*Achyranthus aspara* L.	1
9	Amaryllidaceae	*Crinum* species	4
10	Anacardiaceae	*Anacardium occidentale* L.	1
11		*Mangifera indica* L.	2
12		*Mangifera indica* (Alphonso)	1
13		*Mangifera indica* (Amrapali)	1
14		*Mangifera indica* (Chandrama)	1
15		*Mangifera indica* (Dsheri)	1
16		*Mangifera indica* (Dudhpeda)	1
17		*Mangifera indica* (Fernandin)	1
18		*Mangifera indica* (Goa mankur)	1
19		*Mangifera indica* (Karel)	1
20		*Mangifera indica* (Keitt)	1
21		*Mangifera indica* (Kensington)	1
22		*Mangifera indica* (Kent)	1
23		*Mangifera indica* (Kesar)	1
24		*Mangifera indica* (Kingfon)	1
25		*Mangifera indica* (Kokanruchi)	1
26		*Mangifera indica* (Lily)	1
27		*Mangifera indica* (Mallika)	1
28		*Mangifera indica* (Nilam)	1
29		*Mangifera indica* (Palmar)	1

30		*Mangifera indica* (Payri)	1
31		*Mangifera indica* (Ratna)	1
32		*Mangifera indica* (Shehar)	1
33		*Mangifera indica* (Sindhu)	1
34		*Mangifera indica* (Suvernarekha)	1
35		*Mangifera indica* (Tomi Atkins)	1
36		*Mangifera indica* (Totapuri)	1
37		*Mangifera indica* (Vanraj)	1
38		*Semecarpus anacardium* L. f.	1
39	Annonaceae	*Polyalthia longifolia* (Sonn.) Thwaites	15
40		*Artabotrys hexapetalus* (L. f.) Bhandari	5
41		*Annona reticulata* L.	2
42		*Annona squamosa* L.	8
43	Apiaceae	*Centella asiatica* (L.) Urb	1
44	Apocynaceae	*Alstonia scholaris* (L.) R.Br.	29
45		*Nerium oleander* L. (Yellow)	5
46		*Nerium oleander* L. (Pink)	4
47		*Plumeria alba* L. (Yellow)	2
48		*Catharanthus roseus* (L.) G. Don	10
49		*Nerium oleander* L. (White)	5
50		*Calotropis gigantea* (L.) Dryand.	2
51		*Plumeria alba* L. (White)	2
52		*Calotropis procera* (Ait.) R. Br.	1
53		*Carissa carandus* L.	2
54		*Gymnema sylvestris* R. Br.	1
55		*Hemidesmus indicus* (L.) Schult	3
56		*Holarrhena pubescens* Wall. Ex G. Don	1
57		*Rouvolfia serpentina* (L.) Kurz.	4
58		*Taberbnaemontana alternifolia* (Roxb.) Nicols & Suresh	1
59		*Tylopjora indica* (Burmf.) Merr.	1

60	Araceae	*Dieffenbachia seguine* (Jacq.) Schott	1
61	Araucariaceae	*Araucaria columnaris* (G.Forst.) Hook.	2
62	Arecaceae	*Archontophoenix alexandrae* (F.Muell.) H. Wendl. & Drude	1
63		*Arecacatechu* L.	4
64		*Cocos nucifera* L.	2
65		*Acorus calamus* L.	2
66		*Dypsis lutescens* Beentje & deansf	15
67	Aristolochiaceae	*Aristolochia ringens* Vahl	10
68	Asparagaceae	*Polianthes tuberosa* L.	3
69		*Chlophytum comosom* (Thunb.) Jacq.	2
70		*Chlophytum laxum* R.Br.	2
71		*Dracaena deremensis* Engl.	1
72	Asteraceae	*Stevia reboudiana*	1
73		*Tagetes erecta* L.	***
74		*Tridax procumbens* L.	***
75	**B**alsaminaceae	*Impatians balsamina* L.	2
76	Bignoniaceae	*Tabebuia aurea* (Silva Manso) Benth. & Hook.f. ex S. Moore	2
77		*Tecoma stans* (L.) Juss. ex Kunth	2
78		*Millingtonia hortensis* L. f.	5
79		*Spathodea campanulata* P. Beauv.	4
80		*Jacranda acutifolia* Humb.	2
81		*Kigelia africana* (Lam) Benth.	2
82		*Oroxylum indicum* (L.) Kurz.	1
83		*Steropermum chelonoides* DC.	1
84		*Tabobia rosea* DC.	2
85	Bixaceae	*Bixa orellana* L.	1
86	Boraginaceae	*Heliotropium indicum* L.	1
87		*Cordia dichotoma* G. Froster	1

88	Burseraceae	*Commiphora wightii* (Arn.) Bhandari	1
89	Cactaceae	*Selenicereus undatus*	16
90		*Epiphyllum oxypetalum* (DC.) Haw.	2
91	Callophylaceae	*Mesua ferrea* L.	4
92	Cannaceae	*Canna indica* L.	2
93	Capparaceae	*Caparis* species	4
94	Caricaceae	*Carica papaya* L.	2
95	Clusaceae	*Garcinia indica* (Thouars) Choisy	2
96	Combretaceae	*Terminalia catappa* L.	12
97		*Terminaliabellirica* (Gaertn.) Roxb.	3
98		*Terminalia arjuna* (Roxb. ex DC.) Wight & Am.	10
99		*Combretum indicum* (L.) DeFilipps	2
100		*Terminalia chebula* Retz.	1
101		*Terminalia eliptica* Willd.	1
102		*Terminalia paniculata* Roth	1
103	Convolulaceae	*Ipomea carnea* L.	1
104	Costaceae	*Costus pictus*	2
105	Crassulaceae	*Bryophyllum pinnatum* (Lam.) Oken	5
106		*Kalanchoe laciniata* (L.) DC	4
107	Cycadaceae	*Cycas revoluta* Thunb	2
108	Ebenaceae	*Dispyrus melanoxylum* Roxb.	1
109	Eleocarpaceae	*Elaeocarpus angustifolius* Blume	2
110	Euphorbiaceae	*Jatropha gossypiifolia* L.	17
111	Euphorbiaceae	*Ricinus communis* L.	5
112		*Jatropha curcas* L.	2
113		*Euphorbia geniculata* Orteg	***
114		*Mallotus philippensis* (Lam.) Mull Arg	5
115		*Phyllanthus officinalis* (L.)	2
116	Icacinaceae	*Nothopodytis nimoniana* (Grahm)	1
117	Lamiaceae	*Tectona grandis* L. f.	7

118		*Gmelina arborea* Roxb.	1
119		*Clerodendrum thomsoniae* Balf. f.	3
120		*Leucas aspara* (Willd.) Link	1
121		*Mentha arvensis* (L.)	2
122		*Ocimum bacilum* L.	1
123		*Ocimum sanctum* Linn	15
124		*Oscimum americum* L.	6
125	Lauraceae	*Cinnamomum tamala* (Buch.-Ham.) T.Nees & Eberm.	2
126	Leguminosae	*Peltophorum pterocarpum* (DC.) K. Heyne	41
127		*Tamarindus indica* L.	14
128		*Gliricidia sepium* (Jacq.) Walp.	10
129		*Albizia saman* (Jacq.) Merr. Syn: *Samaneasaman* (Jacq.) Merr.	26
130		*Parkia biglandulosa* Wight & Arn.	5
131		*Pongamia pinnata* (L.) Pierre	29
132		*Dalbergia sissoo* DC.	15
133		*Sesbania sesban* (L.) Merr.	10
134		*Delonix regia* (Hook.) Raf.	28
135		*Bauhinia variegata* L.	8
136		*Dichrostachys cinerea* Brenen & Brummit	3
137		*Leucaena leucocephala* (Lam.) de Wit	13
138		*Mitragyna parvifolia* (Roxb.) Korth.	8
139		*Senna siamea* (Lam.) H.S. Irwin & Barneby	5
140		*Pithecellobium dulce* (Roxb.) Benth.	2
141		*Cassia fistula* L.	9
142		*Murraya paniculata* (L.) Jack	1
143		*Prosopiscineraria* (L.) Druce	**4**
144		*Caesalpinia pulcherrima* (L.) Sw.	22
145		*Senna tora* (L.) Roxb.	6
146		*Abrus precatoris* L.	1

147		*Acacia auriculoformis* Cunn ex. Benth	1
148		*Acacia concinna* (Willd.) DC	2
149		*Bauhinia recemosa* Lam.	1
150		*Butea monosperma*(Lam.) Kuntze	2
151		*Caesalpinia bonduc* (L.) Roxb.	1
152		*Cassia surattensis*Burm. F.	1
153		*Leucaena latisiliqua* (L.) Gillis	5
154		*Pterocarpus marsupium* Roxb	4
155		*Saraca asoka* (Roxb.) Willd	2
156	Liliaceae	*Allium sativum* L.	1
157		*Asparagus racemosus* Willd.	5
158	Lythraceae	*Punica granatum* L.	3
159		*Cuphea ignea* A.DC.	1
160		*Cuphea ignea* A.DC.	1
161		*Lagerstroemia reginae* Roxb.	1
162		*Lagerstroemia speciosa* (L.) Pers.	2
163	Magnoliaceae	*Magnolia champaca* (L.) Baill. ex Pierre	5
164	Malpighiaceae	*Hiptage benghalensis* (L) Kurz.	1
165	Malvaceae	*Ceiba pentandra* (L.) Gaertn.	1
166		*Sterculia foetida* L.	5
167		*Bombax ceiba* L.	1
168		*Adansonia digitata* L.	1
169		*Hibiscus rosa-sinensis* L.	2
170		*Abelmoschus moschatus* Medik.	1
171		*Helicterus isora* L.	1
172		*Thespesia populnea* Correa.	2
173	Melastomaceae	*Memecylon umbellatum*Burmf	1
174	Meliaceae	*Azadirachta indica* A.Juss.	73
175		*Swietenia mahagoni* (L.) Jacq.	10
176		*Khaya senegalensis* (Desv.) A.Juss.	2

177	Menispermaceae	*Tinospora sinensis* (Lour.) Merr.	5
178	Menyanthaceae	*Nymphoides indicus* (L.) Kuntze	5
179	Moraceae	*Ficus amplissima* Sm.	21
180		*Ficus hispida* L. f.	10
181		*Ficus benghalensis* L.	25
182		*Ficus religiosa* L.	16
183		*Ficuscarica* L.	2
184		*Artocarpus hirsutus* Lam.	1
185		*Artocarpus heterophyllus* Lam.	1
186		*Morus alba* L.	200
187		*Artocarpus altilis* Fosberg.	2
188	Muntingiaceae	*Muntingia calabura* L.	1
189	Myrristicaceae	*Myristica fragrans*	1
190	Myrtaceae	*Eucalyptus globulus* Labill.	5
191		*Syzygium cumini* (L.) Skeels	8
192		*Callistemon brachyandrus* Lindl.	5
193		*Psidium guajava* L.	3
194		*Pimenta dioca* Merrill	1
195		*Syzigium aromaticum* Merrill & perry	1
196		*Syzigiums amarangense* Merrill & perry	1
197		*Syzygium aromaticum* (L.) Merrill & Perry	1
198	Nyctaginaceae	*Bougainvillea spectabilis* Willd.	5
199		*Bougainvillea spectabilis* Willd.	10
200		*Boerhavia repens* var. *diffusa* (L.) Hook f.	1
201	Oleaceae	*Jasminum grandiflorum* L.	1
202		*Jasminum sambac* (L.) Aiton	4
203		*Jasminum auriculatum* Vahl	1
204		*Nyctanthus arbor-tritis*	1
205	Onagraceae	*Ludwigia sedioides* (Humb. & Bonpl.) H. Hara	2
206	Oxalidaceae	*Averrhoa carambola* L.	1

207		*Oxalis corniculata* L.	***
208	Passifloraceae	*Passiflora edulis* Sims	2
209	Phyllanthaceae	*Phyllanthus emblica* L.	5
210		*Phyllanthus acidus* (L.)	1
211		*Sauropus adndrogynus* (L.) Merrill	1
212	Piperaceae	*Piper betle* L.	2
213	Plantaginaceae	*Russelia equisetiformis* Schltdl. & Cham.	2
214	Plumbaginaceae	*Plumbago zeylanica* L.	50
215	Poaceae	*Dendrocalamus strictus* (Roxb.) Nees	5
216		*Crysopogon zizinoides* (L.) Roberty	1
217		*Cymbopogon aromaticum* Watson	2
218		*Cymbopogon citrates* (DC) Stapf.	3
219		*Dendrocalamus asper* Baker ex. Heyne	2
220		*Dendrocalamus stockssi* K. M. Kumar & Unnikr.	10
221	Portulacaceae	*Portulaca oleracea* L.	2
222	Proteaceae	*Grevillea robusta* A. Cunn. ex R.Br.	34
223	Putranjivaceae	*Putranjiva roxburghii* Wall.	1
224	Ranunculaceae	*Naravelia zeylanica* (L.) DC.	1
225	Rhamnaceae	*Ziziphus mauritiana* Lam.	3
226	Rosaceae	*Rosa indica* L.	4
227	Rubiaceae	*Ixora*Sps.	11
228		*Coffea arabica* L.	2
229		*Hamelia patens* Jacq.	2
230		*Neolamarckia cadamba* (Roxb.) Bosser	3
231		*Ixora* Sps. (White)	1
232		*Ixora* Sps. (Singapur)	15
233		*Pentas lanceolata* (Forssk.) Deflers (Pink)	15
234		*Pentas lanceolata* (Forssk.) Deflers (Red)	10
235		*Morinda citrifolia* L.	1
236		*Spermadictyonsu aveolens* Roxb	1

237	Rutaceae	*Murraya koenigii* (L.) Spreng.	4
238		*Citrus maxima* (Burm.) Men.	2
239		*Limonia acidissima* Groff	3
240		*Citrus limon* (L.) Osbeck	6
241		*Aegle marmelos* (L.) Corrêa	3
242	Santalaceae	*Santalum album* L.	23
243	Sapindaceae	*Sapindus trifoliatus* L.	2
244	Sapotaceae	*Mimusops elengi* Bojer	9
245		*Madhuca indica*J.f. Gmel.	1
246		*Manilkara hexandra* (Roxb.) Dubard	3
247		*Manilkara zapota* (L.) P. Royan	2
248	Simaroubaceae	*Alianthus excels* Roxb.	4
249		*Simarouba glauca* DC.	2
250	Solanaceae	*Cestrum diurnum* L.	2
251		*Solanum virginianum* L.	2
252		*Cestrum nocturnum* L.	1
253		*Withania somnifera*	3
254	Sterculaceae	*Gauzuma ulmifolia* Lam.	1
255	Sterelitziaceae	*Ravenala madagascariensis* Sonn.	1
256	Verbenaceae	*Duranta erecta* L.	***
257		*Premna integrifolia* Willd.	3
258		*Lantana camara* L.	115
259		*Stachytarpheta cayennensis* (Rich.) Vahl (Purple)	10
260		*Verbena hybrida* Groenl. & Rumpler	10
261		*Stachytarpheta cayennensis* (Rich.) Vahl (Red)	15
262		*Lawsonia alba* Lam.	***
263		*Rotha serrata* (L.) Steane & Mabb.	1
264		*Vitex nigundo* L.	1
265	Vitaceae	*Cissus quadrangifolia* L.	2
266		*Vitis vinifera* L.	5

267	Xanthorrhoeaceae	*Aloe vera* (L.) Burm.f.	10
268	Zingiberaceae	*Hedychium coronarium* J.Koenig	5
269		*Curcuma longa* L.	2
270		*Elettaria cardamomum* (L.) Maton.	1
271	Zygophyllaceae	*Tribulus terestris* L.	***
			1591

Note:*** The numbers of species are more and unable to count

Summary and Findings

- The Jaysingpur College, Jaysingpur has unique diversity for economically important plant species.
- The 'Nakshatra' Botanical garden, medicinal Plant garden, Biodiversity garden and Butterfly garden is established and well maintained by college.
- The botanical garden consist of medicinally important plant species and flowering plants
- The biodiversity garden has diverse plant species and different varieties of horticultural crop plants
- The college campus consists of 80 angiosperm families.
- The present study revealed that, the 80 plant families include about 207 diverse genera and total 272 species.
- During this study a total of 1591 were documented.

Recommendations

Following are some of the key recommendation for improving campus environment.

- The Vision, Mission and Goals of the college must include the conservation and maintenance of biodiversity.
- The college must take care of this unique plant diversity by proper methods.
- The plant species must be protected from predators.
- The college should focus on plantation of more native plant species
- The more efforts should be taken for plantation and conservation of rare, endemic and endangered plant species.
- The college should develop internal procedures to ensure its compliances with environmental issues.

Committee for
Assessment of Plant Diversity of
Jaysingpur College, Jaysingpur
(Environmental Audit)

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