



FLORISTIC DIVERSITY OF CAMPUS OF GOVERNMENT COLLEGE FOR WOMEN M.A. ROAD, SRINAGAR (UT JAMMU & KASHMIR): A CHECKLIST

¹Suzana Bashir, ²Chesfeeda Akhter, ³Nusrath Sayeed

¹Govt. College for Women M.A.Road, Srinagar –190001, J & K, India, e-mail: suzanabashir336@gmail.com

^{2,3}Govt. College for Women M. A. Road, Srinagar – 190001, J & K, India.

Received:- 11-12-2025, Revised:- 15-01-2026, Accepted:- 22-01-2026, Published:- 30-01-2026

Abstract

The UT of Jammu and Kashmir is known for its rich biodiversity. The college campus covers an area of 8.5 acre and is situated at an important place in the heart of Srinagar city. Although, green audit is being carried out annually in the college campus but complete inventorization and documentation of college flora has not been done till date. Therefore, the present study has been undertaken to identify and document the floristic diversity of the college campus. A total of 234 plant taxa were collected and identified during the present floristic survey. The recorded taxa are belonging to 197 genera and distributed over 72 families. The updated scientific nomenclature, family name, growth form and ecological status for each species growing in the campus is provided.

Keywords: *Diversity, documentation, identification.*

Introduction

The govt. college for women M A. road, a premier institution of education, is the first women's college established in Srinagar, Jammu and Kashmir in the year 1950. The college is affiliated with the Cluster University of Srinagar and UGC under 2(f) and 12(b) of UGC Act 1956. The college campus covers an area of 8.5 acre and is situated at an important place in the heart of Srinagar city. It lies between 34°04'26.4" N Latitude and 74°48' 57.6" E Longitude. The climate is temperate humid with hot summers and mild winters. Average rainfall is around 720 millimeters but generally fluctuates from year to year. The Campus endowed with suitable habitat and natural landscape houses a valuable collection of plant species (natural and cultivated). The perusal of literature reveals that there is no published work on the floristic diversity of this campus which represents a diverse and rich floristic composition. It is in this backdrop, the present study has been selected to enumerate the diversity of plant species of this campus. The inventory can serve as baseline information and may be helpful for advanced research in plant taxonomy or allied disciplines.

Methodology

Floristic studies were carried out in the Govt. College for Women, M. A. Road, Srinagar campus during 2020-2022. For the present study intensive field surveys were conducted to record the maximum number of native and alien/exotic taxa from different locations of the college campus. The information and identification of collected plant species has been confirmed and authenticated by consulting various floras (Stewart, 1972; Ara et al., Aslam et al., 2013). Dried and preserved plants were mounted on herbarium sheets by adhesive glue using standard herbarium technique (Das, 2021). Plants were categorized by growth form: Annual herb, Shrub, Tree, Climber and Lianas (Hickey and King 2000). The database has been arranged based on the APG-III classification (Haston et al., 2009) as followed by on-line source: POWO (<http://www.plantsoftheworldonline.org>). In the database, species are enumerated alphabetically in tabular form with the currently valid scientific name of each taxon, followed by name of the Family, Growth form and ecological status.

Results and Discussion

Present inventorization reveals that the campus flora is represented by 234 number of species under 197 genera and belonging to 72 number of families. Among these, the dicotyledons are represented by 55 families, 157 genera and 190 taxa; monocotyledons by 09 families, 28 genera and 31 taxa. Gymnosperms comprise 10 species in 9 genera and 05 families which include Araucariaceae, Cupressaceae, Cycadaceae, Ginkgoaceae and Pinaceae and Pteridophytes comprise of three monotypic genera belonging to families pteridaceae and Selaginellaceae [Table. 1] [Figure 1].

Table: Inventory of taxa growing in college campus

S.No	Name of the species	Family	Growth form	Ecological status
1	Abelia × grandiflora (Rovelli ex André) Rehder	Caprifoliaceae	Shrub	Cultivated
2	Abies pindrow (Royle ex D.Don) Royle	Pinaceae	Tree	Cultivated
3	Abies spectabilis (D.Don) Mirb.	Pinaceae	Tree	Cultivated
4	Abutilon indicum (L.) Sweet	Malvaceae	Herb	Cultivated
5	Acer negundo L.	Sapindaceae	Tree	Cultivated
6	Achillea millefolium L.	Asteraceae	Herb	Wild
7	Actinidiachinensis var. deliciosa (A.Chev.) A.Chev.	Actinidiaceae	Climber	Cultivated
8	Adiantum capillus-veneris L.	Pteridaceae	Herb	Wild
9	Aesculus indica (Wall. ex Cambess.)	Sapindaceae	Tree	Wild

	Hook.			
10	Agave americana L.	Asparagaceae	Herb	Cultivated
11	Ageratum houstonianum Mill.	Asteraceae	Herb	Cultivated
12	Ailanthus altissima (Mill.) Swingle	Simarubaceae	Tree	Cultivated
13	Albizia lebbeck (L.) Benth.	Fabaceae	Tree	Cultivated
14	Alcea rosea L.	Malvaceae	Herb	Wild
15	Amaranthus blitum L.	Amaranthaceae	Herb	Wild
16	Amaranthus caudatus L.	Amaranthaceae	Herb	Wild
17	Amaranthus spinosus L.	Amaranthaceae	Herb	Wild
18	Anagallis arvensis L.	Scrophluriaceae	Herb	Wild
19	Angelica glauca Edgew.	Apiaceae	Herb	Wild
20	Anthemis cotula L.	Asteraceae	Herb	Cultivated
21	Antirrhinum majus L.	Plantaginaceae	Herb	Cultivated
22	Aquilegia vulgaris L.	Ranunculaceae	Herb	Wild
23	Arabidopsis thaliana (L.) Heynh.	Brassicaceae	Herb	Cultivated
24	Araucaria araucana (Molina) K.Koch	Araucariaceae	Tree	Cultivated
25	Arctium lappa L.	Asteraceae	Herb	Cultivated
26	Artemisia vulgaris L.	Asteraceae	Herb	Wild
27	Asparagus officinalis L.	Liliaceae	Herb	Cultivated
28	Aucuba japonica Thunb.	Garryaceae	Shrub	Wild
29	Bellis perennis L.	Asteraceae	Herb	Cultivated
30	Berberis aquifolium Pursh (Mahonia aquifolium)	Berberidaceae	Shrub	Cultivated
31	Berberis aristata DC.	Berberidaceae	Shrub	Wild
32	Brassica rapa L.	Brassicaceae	Herb	Wild
33	Briza media L.	Poaceae	Herb	Wild
34	Bromus japonicus Houtt.	Poaceae	Herb	Cultivated
35	Buddleja davidii Franch.	Scrophluriaceae	Shrub	Cultivated
36	Buxus sempervirens L.	Buxaceae	Shrub	Cultivated
37	Calendula arvensis L.	Asteraceae	Herb	Cultivated
38	Camellia rosacea Tagane, Soulad. & Yahara	Theaceae	Shrub	Cultivated
39	Canna indica L.	Cannaceae	Herb	Wild
40	Capsella bursa-pastoris (L.) Medik.	Brassicaceae	Herb	Wild
41	Cardamine flexuosa With.	Brassicaceae	Herb	Wild
42	Carduus edelbergii Rech.f.	Asteraceae	Herb	Wild
43	Carpesium cernuum L.	Asteraceae	Herb	Cultivated
44	Castanea dentata (Marshall) Borkh.	Fagaceae	Tree	Cultivated
45	Catalpa bignonioides Walter	Bignoniaceae	Tree	Cultivated
46	Cedrus deodara (Roxb. ex D.Don) G.Don	Pinaceae	Tree	Cultivated
47	Centaurea cyanus L.	Asteraceae	Herb	Wild
48	Ceratophyllum demersum L.	Ceratophyllaceae	Herb	Cultivated
49	Cercis siliquastrum L.	Fabaceae	Tree	Cultivated
50	Chaenomeles japonica (Thunb.) Lindl. ex Spach	Rosaceae	Shrub	Wild
51	Chenopodium album L.	Amaranthaceae	Herb	Cultivated
52	Chimonanthus praecox (L.) Link	Calycanthaceae	Shrub	Cultivated

53	Chlorophytum comosum (Thunb.) Jacques	Poaceae	Herb	Cultivated
54	Chrysanthemum indicum L.	Asteraceae	Herb	Wild
55	Cichorium intybus L.	Asteraceae	Herb	Wild
56	Cirsium arvense (L.) Scop.	Asteraceae	Herb	Cultivated
57	Clarkia amoena (Lehm.) A.Nelson & J.F.Macbr.	Onagraceae	Herb	Cultivated
58	Clarkia pulchella Pursh	Onagraceae	Herb	Cultivated
59	Clematis recta L.	Ranunculaceae	Herb	Cultivated
60	Convallaria majalis L.	Asparagaceae	Herb	Wild
61	Convolvulus arvensis L.	Convolvulaceae	Herb	Cultivated
62	Coreopsis lanceolata L.	Asteraceae	Herb	Cultivated
63	Crataegus monogyna Jacq.	Rosaceae	Tree	Cultivated
64	Cupressus sempervirens L.	Cupressaceae	Tree	Cultivated
65	Cycas revoluta Thunb.	Cycadaceae	Tree	Cultivated
66	Cydonia oblonga Mill.	Rosaceae	Tree	Cultivated
67	Cynodon dactylon (L.) Pers.	Poaceae	Herb	Wild
68	Cyperus rotundus L.	Cyperaceae	Herb	Wild
69	Dahlia × hortensis Guillaumin	Asteraceae	Herb	Cultivated
70	Datura stramonium L.	Solanaceae	Herb	Wild
71	Delphinium ajacis L.	Ranunculaceae	Herb	Cultivated
72	Deutzia scabra Thunb.	Hydrangraceae	Shrub	Cultivated
73	Dianthus chinensis L.	Caryophyllaceae	Herb	Cultivated
74	Digitalis purpurea L.	Plantaginaceae	Herb	Cultivated
75	Dioscorea deltoidea Wall. ex Griseb.	Dioscoreaceae	Herb	Cultivated
76	Epilobium hirsutum L.	Onagraceae	Herb	Wild
77	Erigeron bonariensis L.	Asteraceae	Herb	Wild
78	Erigeron canadensis L.	Asteraceae	Herb	Wild
79	Erodium cicutarium (L.) L'Hér.	Geraniaceae	Herb	Wild
80	Eschscholzia californica Cham.	Papaveraceae	Herb	Cultivated
81	Euonymus japonicus Thunb.	Celastraceae	Shrub	Cultivated
82	Ficus carica L.	Moraceae	Tree	Cultivated
83	Foeniculum vulgare Mill.	Apiaceae	Herb	Wild
84	Forsythia viridissima Lindl.	Oleaceae	Shrub	Cultivated
85	Fritillaria imperialis L.	Liliaceae	Herb	Cultivated
86	Fumaria indica (Hausskn.) Pugsley	Papaveraceae	Herb	Wild
87	Gaillardia pulchella Foug.	Asteraceae	Herb	Cultivated
88	Galanthus nivalis L.	Amaryllidaceae	Herb	Cultivated
89	Galinsoga parviflora Cav.	Asteraceae	Herb	Wild
90	Galium aparine L.	Rubiaceae	Herb	Wild
91	Galium asperuloides Edgew.	Rubiaceae	Herb	Wild
92	Gazania rigens (L.) Gaertn.	Asteraceae	Herb	Cultivated
93	Ginkgo biloba L.	Ginkgoaceae	Tree	Cultivated
94	Gladiolus grandiflorus Andrews	Iridaceae	Herb	Cultivated
95	Gomphrena globosa L.	Amaranthaceae	Herb	Cultivated
96	Hedera helix L.	Oleaceae	Climber	Cultivated
97	Helianthus tuberosus L.	Asteraceae	Herb	Cultivated

98	<i>Heliopsis helianthoides</i> (L.) Sweet	Asteraceae	Herb	Cultivated
99	<i>Helleborus viridis</i> L.	Ranunculaceae	Herb	Cultivated
100	<i>Hemerocallis fulva</i> (L.) L.	Asphodelaceae	Herb	Cultivated
101	<i>Hibiscus mutabilis</i> L.	Malvaceae	Shrub	Cultivated
102	<i>Hordeum vulgare</i> L.	Poaceae	Herb	Wild
103	<i>Hosta plantaginea</i> (Lam.) Asch.	Asparagaceae	Herb	Cultivated
104	<i>Hosta ventricosa</i> Stearn	Asparagaceae	Herb	Cultivated
105	<i>Hyacinthus orientalis</i> L.	Asparagaceae	Herb	Cultivated
106	<i>Hydrangea arborescens</i> L.	Hydrangeaceae	Shrub	Cultivated
107	<i>Hydrangea macrophylla</i> (Thunb.) Ser.	Hydrangeaceae	Shrub	Cultivated
108	<i>Hylotelephium ewersii</i> (Ledeb.) H. Ohba	Crassulaceae	Herb	Cultivated
109	<i>Hypericum androsaemum</i> L.	Hypericaceae	Shrub	Cultivated
110	<i>Hyssopus officinalis</i> L.	Lamiaceae	Herb	Cultivated
111	<i>Inula racemosa</i> Hook.f.	Asteraceae	Herb	Cultivated
112	<i>Ipomoea purpurea</i> (L.) Roth	Convolvulaceae	Herb	Cultivated
113	<i>Iris reticulata</i> M.Bieb.	Iridaceae	Herb	Cultivated
114	<i>Jasminum nudiflorum</i> Lindl.	Oleaceae	Herb	Cultivated
115	<i>Juglans nigra</i> L.	Juglandaceae	Tree	Cultivated
116	<i>Juniperus communis</i> L.	Cupressaceae	Tree	Cultivated
117	<i>Kerria japonica</i> (L.) DC.	Rosaceae	Shrub	Cultivated
118	<i>Laburnum alpinum</i> (Mill.) Bercht. & J. Presl	Fabaceae	Tree	Cultivated
119	<i>Lactuca dissecta</i> D. Don	Asteraceae	Herb	Wild
120	<i>Lagerstroemia indica</i> L.	Lythraceae	Tree	Cultivated
121	<i>Laurus nobilis</i> L.	Lauraceae	Shrub	Cultivated
122	<i>Lavandula latifolia</i> Medik.	Lamiaceae	Herb	Cultivated
123	<i>Ligustrum lucidum</i> W.T. Aiton	Oleaceae	Tree	Cultivated
124	<i>Linaria purpurea</i> (L.) Mill.	Plantaginaceae	Herb	Cultivated
125	<i>Magnolia × soulangeana</i> Soul.-Bod.	Magnoliaceae	Tree	Cultivated
126	<i>Magnolia grandiflora</i> L.	Magnoliaceae	Tree	Cultivated
127	<i>Magnolia liliifera</i> (L.) Baill.	Magnoliaceae	Tree	Cultivated
128	<i>Malus × floribunda</i> Siebold ex Van Houtte	Rosaceae	Tree	Cultivated
129	<i>Malus domestica</i> (Suckow) Borkh.	Rosaceae	Tree	Cultivated
130	<i>Malva parviflora</i> L.	Malvaceae	Herb	Cultivated
131	<i>Malva sylvestris</i> L.	Malvaceae	Herb	Wild
132	<i>Medicago lupulina</i> L.	Fabaceae	Herb	Wild
133	<i>Medicago sativa</i> L.	Fabaceae	Herb	Wild
134	<i>Melaleuca viminalis</i> (Sol. ex Gaertn.) Byrnes	Myrtaceae	Herb	Cultivated
135	<i>Mentha longifolia</i> (L.) L.	Lamiaceae	Herb	Cultivated
136	<i>Mirabilis jalapa</i> L.	Nyctaginaceae	Herb	Cultivated
137	<i>Morus alba</i> L.	Moraceae	Tree	Cultivated
138	<i>Narcissus pseudonarcissus</i> L.	Amaryllidaceae	Herb	Cultivated
139	<i>Narcissus tazetta</i> L.	Amaryllidaceae	Herb	Cultivated
140	<i>Nepeta cataria</i> L.	Lamiaceae	Herb	Wild
141	<i>Nerium oleander</i> L.	Apocynaceae	Shrub	Cultivated
142	<i>Nymphaea alba</i> L.	Nymphaeaceae	Herb	Cultivated

143	<i>Oenothera rosea</i> L'Hér. ex Aiton	Onagraceae	Herb	Wild
144	<i>Ornithogalum umbellatum</i> L.	Asparagaceae	Herb	Cultivated
145	<i>Oxalis corniculata</i> L.	Oxalidaceae	Herb	Wild
146	<i>Oxalis debilis</i> Kunth	Oxalidaceae	Herb	Wild
147	<i>Paeonia emodi</i> Royle	Paeoniaceae	Herb	Cultivated
148	<i>Papaver orientale</i> L.	Papaveraceae	Herb	Cultivated
149	<i>Papaver somniferum</i> L.	Papaveraceae	Herb	Cultivated
150	<i>Paspalum conjugatum</i> P.J.Bergius	Poaceae	Herb	Wild
151	<i>Pelargonium</i> × <i>hybridum</i> (L.) L'Hér. (<i>Pelargonium</i> × <i>hortorum</i>)	Geraniaceae	Herb	Cultivated
152	<i>Persicaria hydropiper</i> (L.) Delarbre (<i>Polygonum hydropiper</i>)	Polygonaceae	Herb	Wild
153	<i>Petrosedum rupestre</i> (L.) P.V.Heath (<i>Sedum reflexum</i>)	Crassulaceae	Herb	Cultivated
154	<i>Petroselinum crispum</i> (Mill.) Fuss	Apiaceae	Herb	Cultivated
155	<i>Petunia</i> × <i>atkinsiana</i> (Sweet) D.Don ex W.H.Baxter	Solanaceae	Herb	Cultivated
156	<i>Philadelphus coronarius</i> L.	Hydrangeaceae	Shrub	Cultivated
157	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	Poaceae	Herb	Wild
158	<i>Pinus wallichiana</i> A.B.Jacks.	Pinaceae	Tree	Cultivated
159	<i>Plantago lanceolata</i> L.	Plantaginaceae	Herb	Wild
160	<i>Plantago ovata</i> Forssk.	Plantaginaceae	Herb	Wild
161	<i>Platanus orientalis</i> L.	Platanaceae	Tree	Cultivated
162	<i>Platycladus orientalis</i> (L.) Franco (<i>Thuja orientalis</i> L.)	Cupressaceae	Tree	Cultivated
163	<i>Poa annua</i> L.	Poaceae	Herb	Wild
164	<i>Poa bulbosa</i> L.	Poaceae	Herb	Wild
165	<i>Polygonum aviculare</i> L.	Polygonaceae	Herb	Wild
166	<i>Populus alba</i> L.	Salicaceae	Tree	Cultivated
167	<i>Portulaca grandiflora</i> Hook.	Portulacaceae	Herb	Cultivated
168	<i>Portulaca oleracea</i> L.	Portulacaceae	Herb	Wild
169	<i>Prunus armeniaca</i> L.	Rosaceae	Tree	Cultivated
170	<i>Prunus avium</i> (L.) L.	Rosaceae	Tree	Cultivated
171	<i>Prunus laurocerasus</i> L.	Rosaceae	Tree	Cultivated
172	<i>Prunus persica</i> (L.) Batsch	Rosaceae	Tree	Cultivated
173	<i>Prunus tomentosa</i> Thunb.	Rosaceae	Tree	Cultivated
174	<i>Pteris cretica</i> L.	Pteridaceae	Shrub	Cultivated
175	<i>Pyrus communis</i> L.	Rosaceae	Tree	Cultivated
176	<i>Quercus ilex</i> L.	Fagaceae	Tree	Cultivated
177	<i>Quercus rubra</i> L.	Fagaceae	Tree	Cultivated
178	<i>Ranunculus arvensis</i> L.	Ranunculaceae	Herb	Wild
179	<i>Ranunculus asiaticus</i> L.	Ranunculaceae	Herb	Cultivated
180	<i>Rhaphiolepis bibas</i> (Lour.) Galasso & Banfi (<i>Eriobotrya japonica</i> (Thunb.) Lindl.)	Rosaceae	Tree	Cultivated
181	<i>Rorippa sylvestris</i> (L.) Besser	Brassicaceae	Herb	Wild
182	<i>Rosa arvensis</i> Huds.	Rosaceae	Climber	Cultivated
183	<i>Rosa banksiae</i> R.Br.	Rosaceae	Climber	Cultivated

184	<i>Rosa brunonii</i> Lindl.	Rosaceae	Climber	Cultivated
185	<i>Rosa chinensis</i> Jacq.	Rosaceae	Shrub	Cultivated
186	<i>Rubia cordifolia</i> L.	Rubiaceae	Herb	Wild
187	<i>Rudbeckia hirta</i> L.	Asteraceae	Herb	Cultivated
188	<i>Rumex dentatus</i> L.	Polygonaceae	Herb	Wild
189	<i>Ruscus aculeatus</i> L.	Asparagaceae	Herb	Cultivated
190	<i>Salix alba</i> L.	Salicaceae	Tree	Cultivated
191	<i>Salix babylonica</i> L.	Salicaceae	Tree	Cultivated
192	<i>Salvia rosmarinus</i> Spenn. (<i>Rosmarinus officinalis</i>)	Lamiaceae	Herb	Cultivated
193	<i>Salvia sclarea</i> L.	Lamiaceae	Herb	Cultivated
194	<i>Salvia splendens</i> Sellow ex Nees	Lamiaceae	Herb	Cultivated
195	<i>Santolina chamaecyparissus</i> L.	Asteraceae	Herb	Cultivated
196	<i>Sedum</i> × <i>rubrotinctum</i> R.T.Clausen	Crassulaceae	Herb	Cultivated
197	<i>Sedum acre</i> L.	Crassulaceae	Herb	Cultivated
198	<i>Sedum spathulifolium</i> Hook.	Crassulaceae	Herb	Cultivated
199	<i>Selaginella chrysocaulos</i> (Hook. & Grev.) Spring	Selaginellaceae	Herb	Wild
200	<i>Senecio vulgaris</i> L.	Asteraceae	Herb	Wild
201	<i>Setaria viridis</i> (L.) P.Beauv.	Poaceae	Herb	Wild
202	<i>Sigesbeckia orientalis</i> L.	Asteraceae	Herb	Cultivated
203	<i>Sisymbrium loeselii</i> L.	Brassicaceae	Herb	Wild
204	<i>Solanum nigrum</i> L.	Solanaceae	herb	Wild
205	<i>Solidago virgaurea</i> L.	Asteraceae	Herb	Cultivated
206	<i>Sonchus arvensis</i> L.	Asteraceae	Herb	Wild
207	<i>Spiraea cantoniensis</i> Lour.	Rosaceae	Shrub	Cultivated
208	<i>Spiraea japonica</i> L.f. (<i>Spiraea rosea</i>)	Rosaceae	Shrub	Cultivated
209	<i>Spiraea prunifolia</i> Siebold & Zucc.	Rosaceae	Shrub	Cultivated
210	<i>Stellaria media</i> (L.) Vill.	Caryophyllaceae	Herb	Wild
211	<i>Styphnolobium japonicum</i> (L.) Schott (<i>Sophora japonica</i>)	Fabaceae	Tree	Cultivated
212	<i>Syringa emodi</i> Wall. ex Royle	Oleaceae	Shrub	Cultivated
213	<i>Tagetes erecta</i> L.	Asteraceae	Herb	Cultivated
214	<i>Tamarix parviflora</i> DC.	Tamariaceae	Tree	Cultivated
215	<i>Taraxacum officinale</i> Weber	Asteraceae	Herb	Wild
216	<i>Tilia</i> × <i>europaea</i> L.	Malvaceae	Tree	Cultivated
217	<i>Trachycarpus fortunei</i> (Hook.) H.Wendl.	Arecaceae	Tree	Cultivated
218	<i>Trifolium pratense</i> L.	Fabaceae	Herb	Wild
219	<i>Trifolium repens</i> L.	Fabaceae	Herb	Wild
220	<i>Tritoma uvaria</i> (L.) Ker Gawl. (<i>Tritoma uvaria</i>)	Liliaceae	Herb	Cultivated
221	<i>Tulipa clusiana</i> Redouté (<i>Tulipa stellata</i>)	Liliaceae	Herb	Cultivated
222	<i>Urtica dioica</i> L.	Urticaceae	Herb	Wild
223	<i>Verbena</i> × <i>hybrida</i> Groenland & Rümpler	Verbenaceae	Herb	Cultivated
224	<i>Veronica arvensis</i>	Plantaginaceae	Herb	Wild
225	<i>Viburnum opulus</i> L.	Viburnaceae	Tree	Cultivated
226	<i>Vicia sativa</i> L.	Fabaceae	Herb	Wild

227	<i>Vinca major</i> L.	Apocynaceae	Herb	Wild
228	<i>Viola odorata</i> L.	Violaceae	Herb	Wild
229	<i>Viola tricolor</i> L.	Violaceae	Herb	Cultivated
230	<i>Weigela florida</i> (Bunge) A.DC.	Caprifoliaceae	Shrub	Cultivated
231	<i>Wisteria sinensis</i> (Sims) DC.	Fabaceae	Climber	Cultivated
232	<i>Xerochrysum bracteatum</i> (Vent.) Tzvelev	Asteraceae	Herb	Cultivated
233	<i>Yucca gloriosa</i> L.	Asparagaceae	Shrub	Cultivated
234	<i>Zinnia elegans</i> Jacq.	Asteraceae	Herb	Cultivated

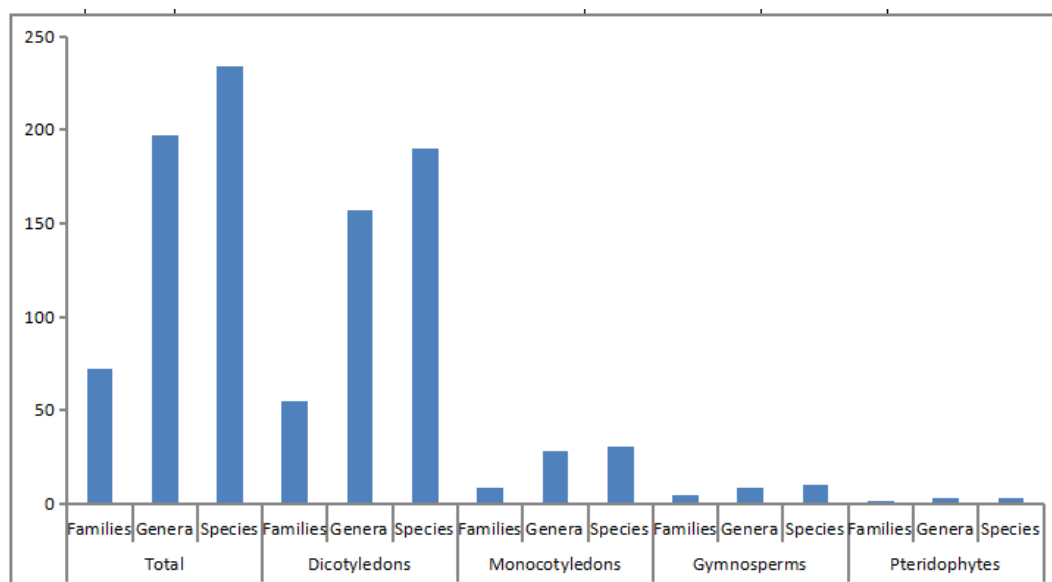


Figure 1: Taxonomic Conspectus of taxa growing in College Campus

Among these 234 taxa that were collected and identified during the present floristic survey of the College campus 151 were found herbs, 28 shrubs, 6 climbers and 49 were tree species [Figure 2]. The present floristic survey indicates the clear dominance of herbaceous growth form as 151 species were herbs followed by trees with 49 species. Proportional distribution of campus flora into different taxonomic groups revealed that 81.62% are dicotyledons, 12.82% are monocotyledons, 4.27% species are gymnosperms and 1.28% species are Pteridophytes.

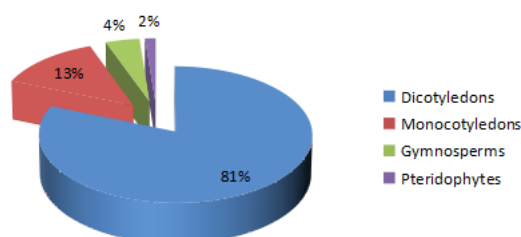


Figure 2: Proportion of taxa belonging to various taxonomic groups

The topmost 5 families among dicotyledons and monocotyledons with respect to maximum number of species are depicted in Figure 3. Among dicotyledons, maximum number of taxa belongs to family Asteraceae (34 species) followed by family Rosaceae (20 species).while as among monocotyledons the family Poaceae with 10 taxa stands first with respect to number of species followed by Asparagaceae with 09 taxa in 08 genera. The flora also includes many fruit trees belonging to family Rosaceae. Majority of taxa (161 species) are cultivated and only small proportion (73 species) represents the wild flora. Due to various factors like changing environment, destruction of habitat and introduction of invasive species some plant species are dwindling in the campus. Also the construction of college campus has resulted in drastic changes in the vegetation

<http://eijas.com/index.php/as>

architecture and invasive plant species have changed the floristic pattern of this patch of land.

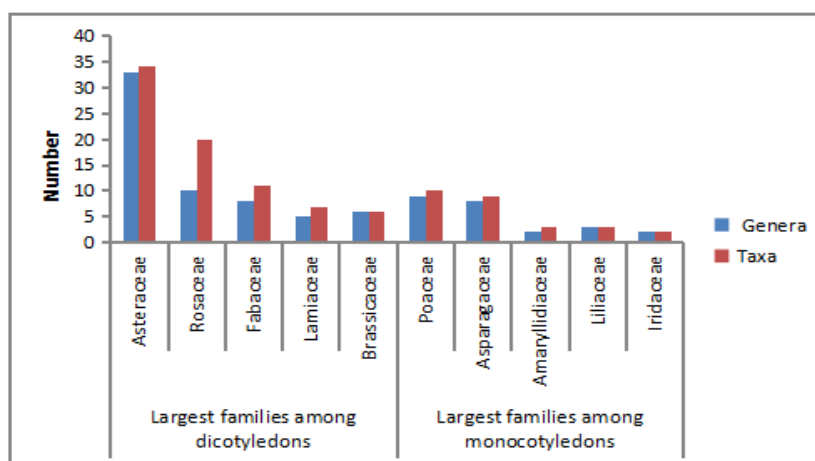


Figure 3: Largest families among dicotyledons and monocotyledons in College campus

References

1. Ara, S., Naqshi, A. R. & Baba, M. Y. (1995). Indigenous and exotic trees and shrubs of Kashmir Valley. *Ind J Forest* 8,233–272.
2. Das, A.P. (2021). Herbarium Techniques. In: *Instrumentation Manual in Biology*. Eds. Bhandari J. B. and Gurung C. Narosa Publishing House ,pp.78.
3. Haston, E., J. E. Richardson., Stevens, P. F., Chase, M. W. & Harris, D. J. 2009. The linear angiosperm phylogeny group (LAPG) III: A linear sequence of the families in APG III. *Botanical Journal of the Linnean Society*. 161, 128-131.
4. Hickey, M. & King, C. (2000). *Illustrated glossary of botanical terms*. Cambridge University Press, UK.
5. POWO (2023). "Plants of the World Online". Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <http://www.plantsoftheworldonline.org/> Retrieved 04 July 2023."
6. Shabana, A., Dar, G. H. & Jhon, A. Q. (2014). *Exotic ornamental flora of Kashmir, a field guide*. Dominant Publishers and Distributors (P) Ltd. Daryaganj, New Delhi.
7. Stewart, R.R. (1972). *An annotated catalogue of the vascular plants of West Pakistan and Kashmir*. Fakhri Press, Karachi, Pakistan.