

Detailed Floristic Analysis Report

The detailed floristic documentation of the campus documented more than 136 species belonging to 49 families. Fabaceae is found to be predominant family with 23 species. Habit wise analysis revealed trees to be the most represented members (61 sp.) followed by herbs (35sp.), shrubs (25 sp.) and Climbers (15sp.). This in turn explains the canopy cover of the campus which lies in a total of around 2.5 hectare. Quantitative analysis of the number of trees documented around 283 trees with age of the trees ranging from 15 to 20 years.

The presence of high number of mature trees is an evidence for the higher carbon sequestration in the campus along with herbs, shrubs and trees. In addition, most of the greenery present in the campus is least affected by the anthropogenic activities and is found to be the home for wild animals such as peacock, hare and wildboar and nesting place for several birds and other animals.

In addition, the campus is habitat for certain plants such as *Careya arborea* Roxb., *Lygodium flexuosum* (L.) Sw., *Pterocarpus marsupium* Roxb. *Naringi crenulata* (Roxb.) Nicolson etc.

As the documentation was carried out during the months between February to April, most of the herbaceous plants commonly seen are dried out and only the remaining ones are documented. Onset of monsoon will make the campus more greener with more herbaceous plants, which will make the campus floristically more biodiversity rich. Table 1. summarises the floristic diversity in BVN B.e D College.

Table 1. Documentation of plants in BVN campus

Sl. No.	Binomial Name	Family	Local name	Habit
1	<i>Adenanthera pavonina</i> L.	Fabaceae	Manjaadi	Tree
2	<i>Aegle marmelos</i> (L.) Corrêa	Rutaceae	Koovalam	Tree
3	<i>Ailanthus excelsus</i> Roxb.	Simaroubaceae	Matti	Tree
4	<i>Albizia chinensis</i> (Osbeck) Merr.	Fabaceae	Vaaka	Tree
5	<i>Albizia lebbek</i> (L.) Benth.	Fabaceae	Karivaka	Tree
6	<i>Allamanda blanchetii</i> A.DC.	Apocynaceae	Kolambipoo	Climber
7	<i>Aloe vera</i> (L.) Burm.f.	Asphodelaceae	Kattarvazha	Herb
8	<i>Alstonia scholaris</i> (L.) R.Br.	Apocynaceae	Ezhilampala	Tree
9	<i>Alternanthera bettzickiana</i> (Regel) Voss	Amaranthaceae		Herb

10	<i>Alternanthera sessilis</i> (L.) DC.	Amaranthaceae	Ponnamkannikkeera	Herb
11	<i>Alysicarpus vaginalis</i> (L.) DC.	Fabaceae	Nila-orila	Herb
12	<i>Amaranthus viridis</i> L.	Amaranthaceae	Kuppacheera	Herb
13	<i>Andrographis paniculata</i> (Burm.f.) Wall. ex Nees	Acanthaceae	Kiriyathu	Herb
14	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	Plavu	Tree
15	<i>Azadirachta indica</i> A.Juss.	Meliaceae	Veppu	Tree
16	<i>Bauhinia acuminata</i> L.	Fabaceae	Vellamandharam	Shrub
17	<i>Bauhinia variegata</i> L.	Fabaceae	Chuvannamandaram	Tree
18	<i>Bergera koenigii</i> L.	Rubiaceae	Kariveppila	Tree
19	<i>Blepharis maderaspatensis</i> (L.) Roth	Acanthaceae	Murikootipacha	Herb
20	<i>Bombax ceiba</i> L.	Malvaceae	Ilavu	Tree
21	<i>Borassus flabellifer</i> L.	Arecaceae	Karimbana	Tree
22	<i>Bougainvillea spectabilis</i> Willd.	Nyctaginaceae	Kadalaasupoovu	Climber
23	<i>Bridelia retusa</i> (L.) A.Juss.	Phyllanthaceae	Mullankkayini	Tree
24	<i>Calotropis procera</i> (Aiton) W.T.Aiton	Apocynaceae	Giant Milk Weed	Shrub
25	<i>Canthium coromandelicum</i> (Burm.f.) Alston	Rubiaceae	Karamullu	Shrub
26	<i>Careya arborea</i> Roxb.	Lecythidaceae	Pezhu	Tree
27	<i>Carica papaya</i> L.	Caricaceae	Papaya	Tree
28	<i>Caryota urens</i> L.	Arecaceae	Irampana	Tree
29	<i>Cascabela thevetia</i> (L.) Lippold	Apocynaceae	Manja-arali	Shrub
30	<i>Casearia wynadensis</i> Bedd.	Salicaceae	Karikunna	Tree
31	<i>Cassia fistula</i> L.	Fabaceae	Kannikonna	Tree
32	<i>Ceiba pentandra</i> (L.) Gaertn.	Malvaceae	Panjimaram	Tree

33	<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob.	Asteraceae	Communist Pacha	Shrub
34	<i>Chrysanthemum indicum</i> L.	Asteraceae	Jamanthi	Herb
35	<i>Cissampelos pareira</i> L.	Menispermaceae	Malathangi	Climber
36	<i>Cleistanthus collinus</i> Benth. & Hook.f.	Phyllanthaceae	Odukku	Tree
37	<i>Clerodendrum infortunatum</i> L.	Lamiaceae	Perivelam	Shrub
38	<i>Cocos nucifera</i> L.	Arecaceae	Thengu	Tree
39	<i>Crotalaria retusa</i> L.	Fabaceae	Kilukaampetti	Shrub
40	<i>Croton bonplandianus</i> Baill.	Euphorbiaceae		Herb
41	<i>Croton hirtus</i> L'Hér.	Euphorbiaceae		Herb
42	<i>Cyanthillium cinereum</i> (L.) H.Rob.	Asteraceae	Poovaamkurunnal	Herb
43	<i>Cyrtostachys renda</i> Blume	Arecaceae		Herb
44	<i>Dalbergia latifolia</i> Roxb.	Fabaceae	Veeti	Tree
45	<i>Delonix regia</i> (Bojer ex Hook.) Raf.	Fabaceae	Poomaram	Tree
46	<i>Dianella tasmanica</i> Hook.f.	Asphodelaceae	Tasman Flax Lily	Herb
47	<i>Dracaena roxburghiana</i> (Schult. & Schult.f.) Byng	Asparagaceae	Maran	Herb
48	<i>Emilia sonchifolia</i> (L.) DC.	Asteraceae	Muyalcheviyan	Herb
49	<i>Epipremnum pinnatum</i> (L.) Engl.	Araceae	Moneyplant	Climber
50	<i>Eragrostis unioloides</i> (Retz.) Nees ex Steud.	Poaceae	Karayampullu	Herb
51	<i>Eugenia uniflora</i> L.	Myrtaceae	Mulakunelli	Shrub
52	<i>Euphorbia heterophylla</i> L.	Euphorbiaceae		Herb
53	<i>Euphorbia hirta</i> L.	Euphorbiaceae	Attuvattappala	Herb
54	<i>Euphorbia milii</i> Des Moul.	Euphorbiaceae	Crown of Thorns	Shrub
55	<i>Evolvulus nummularius</i> (L.) L.	Convolvulaceae		Herb

56	<i>Ficus hispida</i> L. f.	Moraceae	Peyatti	Tree
57	<i>Ficus racemosa</i> L.	Moraceae	Atthi	Tree
58	<i>Ficus religiosa</i> L.	Moraceae	Arayal	Tree
59	<i>Flemingia strobilifera</i> (L.) W.T.Aiton	Fabaceae	Kanala	Shrub
60	<i>Getonia floribunda</i> Roxb.	Combretaceae	Pullani	Climber
61	<i>Gliricidia sepium</i> (Jacq.) Kunth	Fabaceae	Siima Konna	Tree
62	<i>Glycosmis pentaphylla</i> (Retz.) DC.	Rubiaceae	Paanal	Shrub
63	<i>Grona triflora</i> (L.) H.Ohashi & K.Ohashi	Fabaceae	Cherupulladi	Herb
64	<i>Gymnema sylvestre</i> (Retz.) R. Br. ex Schult.	Apocynaceae	Chakkarakolli	Climber
65	<i>Hemidesmus indicus</i> (L.) R.Br.	Apocynaceae	Nannari	Climber
66	<i>Hibiscus</i> × <i>rosa-sinensis</i> L.	Malvaceae	Chembarathi	Shrub
67	<i>Holarrhena pubescens</i> Wall. ex G.Don	Apocynaceae	Kudagapala	Tree
68	<i>Holoptelea integrifolia</i> (Roxb.) Planch.	Ulmaceae	Aavil	Tree
69	<i>Hultholia mimosoides</i> (Lam.) Gagnon & G.P.Lewis	Fabaceae	Swethamoolam	Climber
70	<i>Ixora coccinea</i> L.	Rubiaceae	Thechi	Shrub
71	<i>Jasminum coarctatum</i> Roxb.	Oleaceae	Vellakattumulla	Climber
72	<i>Jasminum sambac</i> (L.) Aiton	Oleaceae	Mulla	Shrub
73	<i>Lagerstroemia speciosa</i> (L.) Pers.	Lythraceae	Poomaruthu	Tree
74	<i>Lantana camara</i> L.	Verbenaceae	Arippoochedi	Shrub
75	<i>Leucaena leucocephala</i> (Lam.) de Wit	Fabaceae	Ippilippil	Tree
76	<i>Libidibia coriaria</i> (Jacq.) Schltdl.	Fabaceae		Tree

77	<i>Loropetalum chinense</i> (R.Br.) Oliv.	Hamamelidaceae	Chinese fringe flower	Shrub
78	<i>Lygodium flexuosum</i> (L.) Sw.	Schizaeaceae	Maidenhair Creeper	Herb
79	<i>Macaranga indica</i> Wight	Euphorbiaceae	Malavetta	Tree
80	<i>Macaranga peltata</i> (Roxb.) Muell.-Arg.	Euphorbiaceae	Vattakanni	Tree
81	<i>Magnolia champaca</i> (L.) Baill. ex Pierre	Magnoliaceae	Chambakam	Tree
82	<i>Mallotus philippensis</i> (Lam.) Müll.Arg.	Euphorbiaceae	Sindooram	Tree
83	<i>Mangifera indica</i> L.	Anacardiaceae	Maavu	Tree
84	<i>Manihot glaziovii</i> Müll.Arg.	Euphorbiaceae	Kattu-rubber	Tree
85	<i>Manilkara zapota</i> (L.) P.Royen	Sapotaceae	Sapota	Tree
86	<i>Monoon longifolium</i> (Sonn.) B.Xue & R.M.K.Saunders	Anonaceae	Asoka maram	Tree
87	<i>Morinda pubescens</i> Sm.	Rubiaceae	Manjapaavatta	Tree
88	<i>Musa x paradisiaca</i> L.	Musaceae	Vaazha	Herb
89	<i>Mussaenda frondosa</i> L.	Rubiaceae	Vellilathaali	Shrub
90	<i>Naringi crenulata</i> (Roxb.) Nicolson	Rutaceae	Malanarakam	Tree
91	<i>Nelumbo nucifera</i> Gaertn.	Nelumbonaceae	Thaamara	Herb
92	<i>Nerium oleander</i> L.	Apocynaceae	Arali	Shrub
93	<i>Ocimum tenuiflorum</i> L.	Lamiaceae	Thulasi	Herb
94	<i>Passiflora edulis</i> Sims	Passifloraceae	Passion fruit	Climber
95	<i>Passiflora foetida</i> L.	Passifloraceae	Ammummapazham	Climber
96	<i>Phyllanthus amarus</i> Schum. & Thonn.	Phyllanthaceae	Kizhaarnelii	Herb
97	<i>Phyllanthus emblica</i> L.	Phyllanthaceae	Nelli	Tree
98	<i>Phyllanthus maderaspatensis</i> L.	Phyllanthaceae		Herb

99	<i>Pigea enneasperma</i> (L.) P.I.Forst.	Violaceae	Orithalthamara	Herb
100	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Fabaceae	Kodukkapuli	Tree
101	<i>Plumeria alba</i> L.	Apocynaceae	Aralipoo	Tree
102	<i>Pongamia pinnata</i> (L.) Pierre	Fabaceae	Ungu	Tree
103	<i>Portulaca grandiflora</i> Hook.	Portulacaceae	Pathumanipoo	Herb
104	<i>Portulaca oleracea</i> L.	Portulacaceae	Kozhuppacheera	Herb
105	<i>Psidium guajava</i> L.	Myrtaceae	Perakka	Tree
106	<i>Pterocarpus marsupium</i> Roxb.	Fabaceae	Venga	Tree
107	<i>Punica granatum</i> L.	Lythraceae	Maathalam	Shrub
108	<i>Rosa multiflora</i> Wrede ex Rössig	Rosaceae	Rose	Shrub
109	<i>Scoparia dulcis</i> L.	Plantaginaceae	Kallurukki	Herb
110	<i>Stemodia verticillata</i> (Mill.) Hassl.	Plantaginaceae	Kallurukki	Herb
111	<i>Senegalia pennata</i> (L.) Maslin	Fabaceae	Kattusinikka	Climber
112	<i>Senna alexandrina</i> Mill.	Fabaceae	Alexandrian senna	Shrub
113	<i>Sida acuta</i> Burm.f.	Malvaceae	Anakurunthotti	Shrub
114	<i>Sida cordata</i> (Burm.f.) Borss.Waalk.	Malvaceae	Vankurunthotti	Herb
115	<i>Simarouba glauca</i> DC.	Simaroubaceae	Lakshmitharu	Tree
116	<i>Solanum torvum</i> Sw.	Solanaceae	Chunda	Shrub
117	<i>Spathoglottis plicata</i> Blume	Orchidaceae	Malayan ground orchid	Herb
118	<i>Stephanotis volubilis</i> (L.f.) S.Reuss	Apocynaceae	Kakkalankodi	Climber
119	<i>Swietenia macrophylla</i> King	Meliaceae	Mahagony	Tree
120	<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	Njaval	Tree
121	<i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schult.	Apocynaceae	Nandhyarvattam	Shrub

122	<i>Tamarindus indica</i> L.	Fabaceae	Puli	Tree
123	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Bignoniaceae	Manja arali	Tree
124	<i>Tecomaria capensis</i> (Thunb.) Spach	Bignoniaceae	Cape Honey Suckle	Shrub
125	<i>Tectona grandis</i> L.f.	Lamiaceae	Theku	Tree
126	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae	Thannikka	Tree
127	<i>Terminalia catappa</i> L.	Combretaceae	Badaam	Tree
128	<i>Terminalia chebula</i> Retz.	Combretaceae	Kaduka	Tree
129	<i>Thespesia populnea</i> (L.) Sol. ex Corrêa	Malvaceae	Poovarasu	Tree
130	<i>Tiliacora acuminata</i> (Lam.) Miers	Menispermaceae	Vallikanjiram	Climber
131	<i>Trema orientale</i> Blume	Cannabaceae	Amapotti	Tree
132	<i>Tridax procumbens</i> L.	Asteraceae	Kumminnippacha	Herb
133	<i>Waltheria indica</i> L.	Malvaceae		Herb
134	<i>Xylia xylocarpa</i> (Roxb.) W.Theob.	Fabaceae	Irul	Tree
135	<i>Ziziphus jujuba</i> Mill.	Rhamnaceae	Ilantha	Tree
136	<i>Ziziphus oenoplia</i> (L.) Mill.	Rhamnaceae	Cheruthudali	Climber