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DATA PAPER

FLORA OF FERGUSSON COLLEGE CAMPUS, PUNE, INDIA: MONITORING CHANGES OVER HALF A CENTURY

Ashish N. Nerlekar, Sairandhri A. Lapalikar, Akshay A. Onkar,
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FLORA OF FERGUSSON COLLEGE CAMPUS, PUNE, INDIA: MONITORING CHANGES OVER HALF A CENTURY

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Abstract: The present study was aimed at determining the vascular plant species richness of an urban green-space- the Fergusson College campus, Pune and comparing it with the results of the past flora which was documented in 1958 by Dr. V.D. Vartak. For this, the species richness data was obtained by both secondary sources and intensive surveys from 2009–2014. The data from the primary and secondary sources resulted in the documentation of 812 species belonging to 542 genera under 124 families, of which 534 species (65.8%) exists today as compared to 654 in 1958 (net loss of 120 species). Of the 812 species listed, 278 species were observed only during the past, 210 species were exclusively recorded in the current survey and 324 species were observed both, in the past as well as current survey. Arboreal species richness recorded till date (196) in the campus accounts for 40.7% of that of the entire Pune City. Leguminosae and Poaceae were the dominant dicotyledonous and monocotyledonous families respectively and an inventory of all the species recorded is provided. Although the botanical garden over the past years has lost 187 species, it still houses rare species such as *Acacia greggii*, which has been reported from Maharashtra for the first time. Considering the rapidly changing urban land use in the city, much attention should be paid towards the conservation of these green spaces, for which such studies provide baseline data.

Keywords: Pune, urban green-scape, floristics, Fergusson College, checklist

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Conflict of Interest: The authors declare no competing interests.

Author Details: ASHISH NERLEKAR is interested in urban biodiversity, plant taxonomy, ecology and is currently working on the ecology of a threatened plant *Jatropha nana*. SAIRANDHRI LAPALIKAR is pursuing studies focusing on plant community ecology and is currently working on the characterization of microhabitats of the rock-outcrops around Lonavala, Maharashtra. AKSHAY ONKAR studies the ethnobotany and flora of eastern Maharashtra and is also interested in socio-political aspects of conservation and biodiversity. SHANKAR LAWARE incorporates interdisciplinary approach in research, and has come up with several novel applications. MINAKSHI MAHAJAN is interested in angiosperm taxonomy and has worked on extensive documentation of the arboreal flora of Fergusson College campus.

Author Contribution: ANN, SAL conceived the study and collated data. ANN, AAO, SAL, SLL conducted field work, SLL and MCM provided past records, ANN wrote the paper.

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INTRODUCTION

With the increase in urbanization, studies focusing on urban ecology have developed rapidly in recent years (Celesti-Grapow 2006). Within urban ecosystems, themes like the flora in and around human settlements have been in the lime light in recent decades (Pyšek 1998; Aronson et al. 2014). Floristically, cities have been observed to be richer than adjoining areas owing to high habitat heterogeneity as well as the presence of exotic species (Pyšek 1998; Chocholoušková 2003). In cities, urban green spaces are of great importance because of the multiple ecosystem services they provide (Nehru et al. 2012) and may exist in the form of domestic, public or botanical gardens, unused fields, woodlands (Smith et al. 2006; Primack & Miller-Rushing 2009; Kitha & Lyth 2011), campuses of educational institutes (Suresh & Bhat 2000) or urban forests/ wildscapes (Joshi & Kumbhojkar 1997; Nerlekar & Kulkarni 2015).

Flora around the city of Pune (formerly Poona) has been indirectly dealt with in pioneering works on the flora of western India such as Graham (1839), Nairne (1894), Talbot (1894), Woodrow (1897–1898), Cooke (1903–08), Blatter & McCann (1935), Dalzell & Gibson (1861) along with several regional studies like Burns & Chakraved (1921), Narayanayya (1928), Garland (1931), Razi (1952), Vartak (1959a,b,c), Gunjatkar & Vartak (1982), Vartak & Ghate (1983), and Ghate (1993). The compilations available for floristic diversity of Maharashtra State also partly and indirectly deal with Pune City's flora (Almeida 1996–2009; Lakshminarasimhan 1996; Singh & Karthikeyan 2000; Singh et al. 2001; Lakshminarasimhan et al. 2012). Studies including Ezekiel (1917–1918), Phadnis (1925), Burns (1931), Puri & Mahajan (1958), Vartak (1958a, b; 1962, 1964), Puri & Jain (1960), Varadpande (1974), Ghate & Vartak (1981), Bonde (1988), Kulkarni et al. (1989), Nagare et al. (1990), Joshi et al. (1992, 1994), Kulkarni & Kumbhojkar (1995), Joshi & Kumbhojkar (1997), Datar & Ghate (2006), Patwardhan & Gandhe (2000–2001), Ranade (2000–2001), Punalekar et al. (2010), Ingalthalikar & Barve (2010), and Nerlekar & Kulkarni (2015) deal with the city flora more directly.

Fergusson College is one such green space located in Pune City, the detailed campus flora of which was studied by late Dr. V.D. Vartak, only the analysis of which was published (Vartak 1958a). This flora was supplemented by articles including Vartak (1959d; 1960) and indirect records also exist about the campus flora (Deshpande 1938; Vartak 1957, 1959b,c,e,f, 1964; Vartak & Ghate 1983; Joshi & Kumbhojkar 1997; Nalavade 2001; Patwardhan & Gandhe 2000–2001; Ingalthalikar

& Barve 2010). After Vartak's analysis was published in 1958, no systematic efforts were made to monitor the floristic changes in the campus. Thus, the aim of the present study was to understand the changes in the flora over more than five decades since the publication of the first study. For this, we assessed the total current species richness in the campus and compared it with the 1958 results. Also, a detailed unified inventory of all the vascular plants that are recorded till date in the campus is provided with notes about historical status, rarity, and ecological remarks.

STUDY AREA

Fergusson College (run by the Deccan Education Society and named after Sir James Fergusson, the then Governor of Bombay) was formally inaugurated on 2 January 1885. The foundation stone of the present college campus was laid in 1892, which only comprised the main building back then (Limaye 1935). The late Wrangler R.P. Paranjpye once described the landscape as "bare land which did not produce even decent grass during the rainy season" (Limaye 1935). At that time, the study area was isolated from the main city and sustained stunted scrub vegetation, which is evident from archival photographs and literature. Fergusson College campus is located in Pune City, Maharashtra, India (18°31'17.75"N & 73°50'20.17"E) with a 109-acre area (Fig. 1). The campus can be divided into two sections: the main campus which consists of century old gothic-styled buildings and forms a woodland ecosystem at present with well grown tall to moderate sized trees intermixed with herbaceous growth, both native and exotic in nature.

The second section is the Fergusson Hill that lies towards the west of the main campus. This hill was once connected to the adjoining larger Vetal hill-complex, but was fragmented due to the construction of the Senapati Bapat road in the 1960s (Nalavade 2001). The original vegetation type of the hill is tropical southern dry mixed deciduous (Type 5A/C3) as classified by Champion & Seth (1968) with the underlying rock being basalt. The perennial Mutha left bank canal used to flow through the college campus till the 1970s but has since then become defunct after the Panshet flood which affected thousands during 1961 (Fig. 2). The remnants of the canal in the form of depressions and small bridges are still seen on campus.

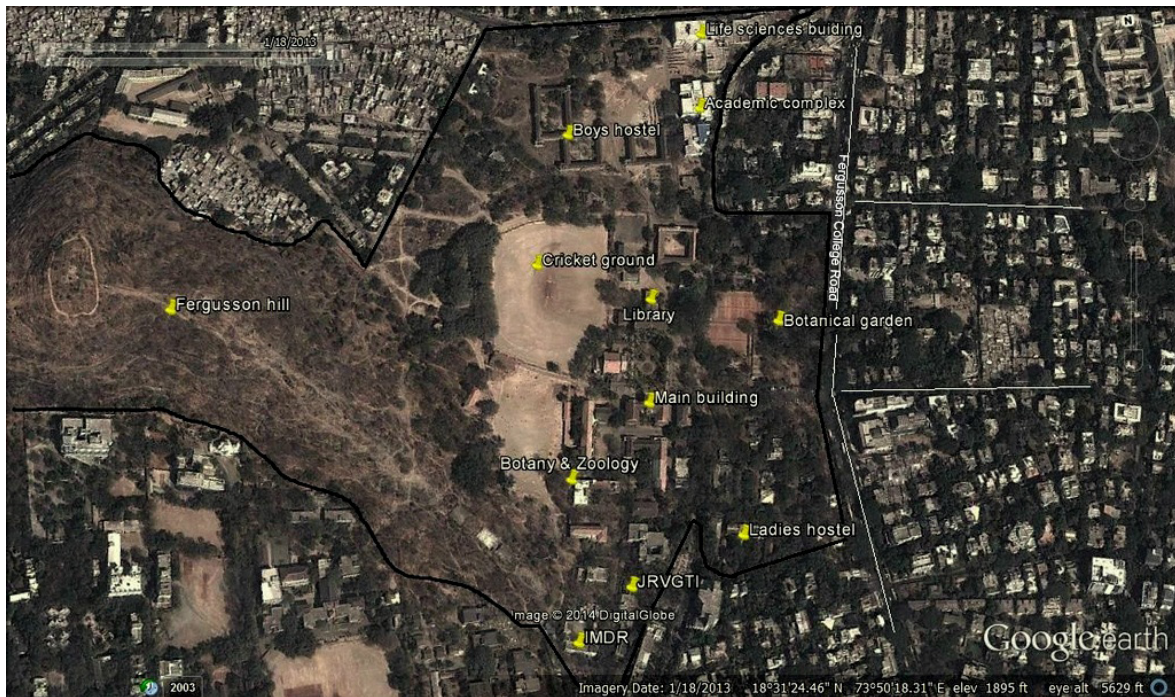


Figure 1. Study area with prominent landmarks (2014). College campus outlined in black and adjoining roads in white.

METHODS

The entire work was undertaken from June 2009–December 2014. For the first two years (June 2009– May 2011), the surveys were opportunistic in nature, but from June 2011 onwards upto December 2014, extensive and well-planned efforts were made. The study was divided into two sections:

a) **Primary data-** obtained from extensive and exhaustive ground surveys where on an average, from June 2011– December 2014, each field session lasted for about 2hr for three such days a week and thus about 1000+hr effort for three years (assuming four weeks per month and not counting the efforts from June 2009 to May 2011). Efforts for other projects in the same study area overlapped with the present work and thus the exact number of hours spent are rather difficult to arrive at.

Specimens were identified on the field following Cooke (1903–1908), Lakshminarasimhan (1996), Singh & Karthikeyan (2000), Singh et al. (2001), Ingalhalikar & Barve (2010), and Potdar et al. (2012). Garden exotics were confirmed from the online database of Flowers of India (2014) and also from experts (acknowledged). Only doubtful specimens were collected for critical examination in the laboratory. All the scientific and family names were checked using The Plant List (2014). Specimens were processed for mounting following

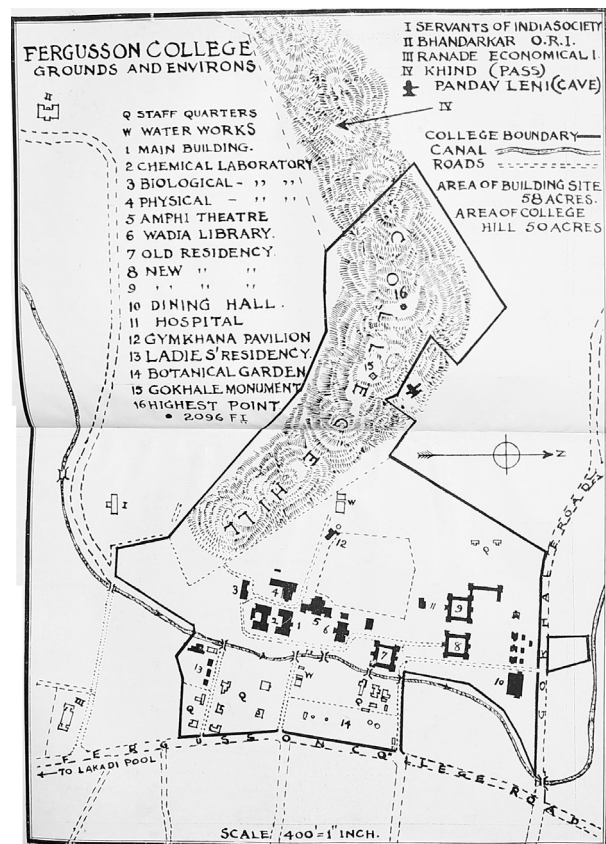


Figure 2. Study area with prominent landmarks (from Limaye 1935). Notice the Mutha canal marked in the map. Also, the point marked as 'khind' represents the present day Senapati Bapat road that led to fragmentation of this hill.

standard protocol (Jain & Rao 1977) and voucher specimens of selected species are deposited in the herbarium of the Botany department, Fergusson College and a few rare ones at BSI (WRC).

b) Secondary data- extensive literature surveys were carried out and all publications that mention plants from the campus are extracted and cited. Simultaneously, herbarium data from the herbarium of Agharkar Research Institute (AHMA), the Herbarium of Botany Department, Pune University and the Herbarium of Botany Department, Fergusson College were extracted. Current and past faculties as well as students from the Botany Department of Fergusson College were also consulted for additional inputs.

A comprehensive checklist was drafted on uniting the data from all the aforementioned sources, which includes current as well as past status of occurrence for each species. This assessment was done for all vascular plants including gymnosperms as well as pteridophytes. Lower cryptogams including algae and fungi were not assessed, but a brief literature review is presented.

RESULTS

A total of 812 species belonging to 542 genera under 124 families in total have been recorded in the past as well as present. Out of these, 534 species (belonging to 397 genera and 99 families) are currently present in the campus as revealed in the 2011–2014 survey (Fig. 3). The detailed inventory of the species is provided in Table

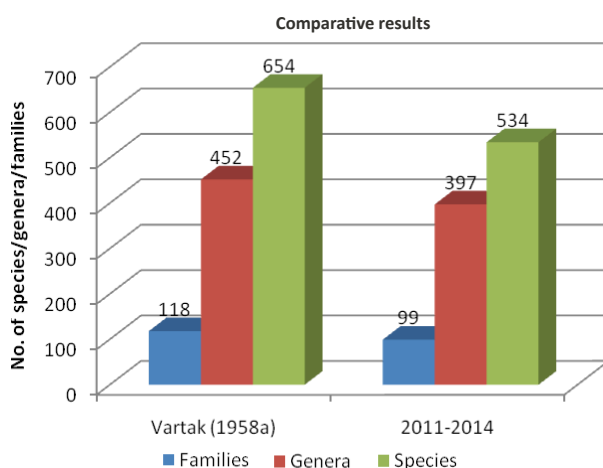


Figure 3. Comparative floristic analysis of the present and past flora. P.S.- The recent taxonomic changes have not been incorporated in the analysis of Vartak (1958) due to absence of raw data and thus the values are not amended. Thus this comparison should not be considered as final unless the two datasets are comparable taxonomically.

1 and some peculiar species are depicted in Images 1–3. Overall, trees are represented by 196 species and the rest of the species (616) are non-woody. Of all the 196 trees, 105 (53.6%) are native and the rest exotic. Pune City houses about 482 arboreal species (Ingalhalikar & Barve 2010) and arboreal species richness of the Fergusson campus till date accounts for almost 40.7% of Pune City's richness. Out of these total 196 trees, 152 species still exist on campus. Out of the total 812 species documented, 278 species that were observed in the past could not be seen during the current survey. Two-hundred-and-ten species were exclusively recorded in the current survey, which were not recorded earlier and 324 species were observed in the past as well as during the current surveys. Leguminosae was found to be the dominant family in dicotyledons and Poaceae in monocotyledons. A comparative species composition account of the analysis by Vartak (1958a) with the current survey of selected families is provided in Fig.4. However, the results may not be comparable in the true sense as the methodology followed by the earlier researchers might not be exactly replicated and the present findings are rather baseline broader-level indicative changes and minor intricacies might need to be amended in the near future.

Special mention should be made of two species from the campus: *Syzygium heyneanum* (Duthie) Gamble

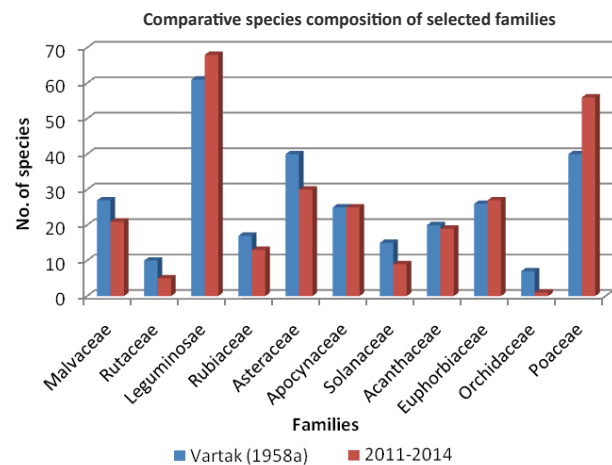


Figure 4. Comparative analysis of selected families from the campus. Most dominant families have been selected for the comparison. We hereby take into account the recent taxonomic changes as follows: Papilionaceae, Caesalpiniaceae and Mimosaceae have been merged to a broader Leguminosae; Malvaceae, Tiliaceae, Bombacaceae and Sterculiaceae are included in the broadly defined Malvaceae; Euphorbiaceae, Putranjivaceae and Phyllanthaceae have been retained in Euphorbiaceae for the sake of comparison. Lamiaceae, Verbenaceae and Liliaceae have not been included due to recent taxonomic changes that render a comparison impossible without knowing the raw data of Vartak (1958a).

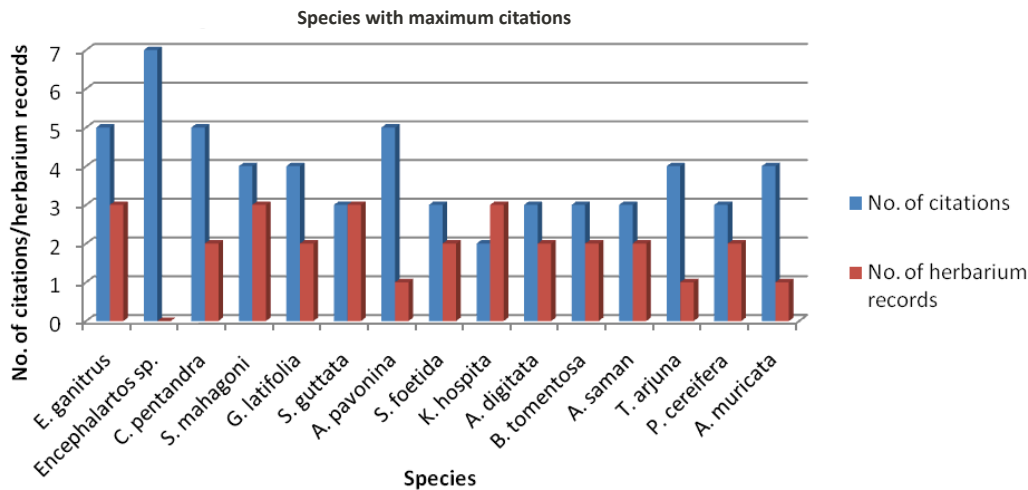


Figure 5. Species with total citations+herbarium records exceeding five have been depicted for the sake of representation here. The No. of herbarium records indicate the number of herbaria in which sheets of the respective species are present or occur out of the consulted herbaria.

plants that are probably the only surviving specimens within Pune City (S. Ingahalikar pers. comm. 2015). This species was earlier known from Vithalwadi along the Mula-Multha River (Ingahalikar & Barve 2010) and all plants around Pune were destroyed in the subsequent years due to several anthropogenic activities. *Acacia greggii* A. Gray (identified by S. Ingahalikar), an exotic plant, has been reported for the first time from Maharashtra. A single well grown plant is seen in the botanical garden. During the initiative for enlisting arboreal flora of the campus by Mahajan (2006), this plant (with label B1/P1-157) was misidentified as *Acacia leucophloea* (Roxb.) Wild. Several European and American botanists used to visit the botanical garden in its early years and we suppose that propagules of this species were brought by them (Vartak 1981).

Out of the total 812 species documented over all, 437 species (54.5%) were also reported from the Fergusson College Botanical Garden (FCBG) and out of these 250 (30.8%) are present today in FCBG with a loss of 187 species over time. The most cited specimens (including the herbarium records) are represented in Fig. 5. In all, 30 publications mention species occurring in the Fergusson campus (either indirectly or directly) which have been cited in Table 1. The earliest publication is by Deshpande (1938) and the most number of publications has been recorded in the decade from 2001 to 2010 followed by the decade from 1951 to 1960.

Even if the lower cryptogamic flora from the campus has been excluded in the present analysis, we wish to highlight selected publications. Pandkar (2012) reported a rare algae *Oedocladium prescottii* from the soil around

the Physics Department whereas 13 aero-algal forms were recorded in the campus (Pandkar 2011). Pandkar et al. (2010) explored the terrestrial and sub-aerial algal diversity from the campus and found Cyanophyta (30 forms) to be most dominant, followed by Chlorophyta (11 forms) and Bacillariophyta (3 forms). Vaidya et al. (2009) reported 22 species belonging to six genera of arbuscular mycorrhizal fungi from the campus.

DISCUSSION

From the results it is clear that there has been a distinct decline in species richness over more than 50 years. Vartak (1958a) reported 654 species as compared to the present 534 species (a loss of 120). The arboreal species composition does not seem to be affected significantly and instead has risen by 32 species (from 120 in 1958 to 152 at present). It is important to note that in spite of the changes in species richness dominant families including Leguminosae, Malvaceae, Apocynaceae and Euphorbiaceae have not seen drastic fluctuations in richness whereas Orchidaceae and Asteraceae do show a negative trend while Poaceae has shown additions. The species which were cited maximally (Fig.5) belonged to either two categories—ones which were/are locally rare such as *Parmentiera cereifera* Seem., *Sterculia guttata* Roxb., *Elaeocarpus ganitrus* Roxb. ex G. Don, *Encephalartos* sp., and those which are relatively common introduced exotics like *Albizia saman* (Jacq.) Merr., *Sterculia foetida* L., *Ceiba pentandra* (L.) Gaertn. and *Swietenia mahagoni* (L.) Jacq.



Image 1. A - *Acacia greggii*; B - *Chrysophyllum cainito*; C - *Schleicheria oleosa*; D - *Syzygium heyneanum*; E - *Cedrela toona*; F - *Gardenia latifolia*; G - *Wrightia tinctoria*



Image 2. A - *Adenantha pavonina*; B - *Sabal palmetto*; C - *Pterygota alata*; D - *Parmentiera cereifera*; E - *Dendrocalamus giganteus*; F - *Senna polyphylla*; G - *Malpighia glabra*

The 210 species which are newly recorded as additions to the old flora are predominantly exotic ornamentals, whereas the 278 species reported as extirpated consist of ornamentals as well as several rare exotics and endangered indigenous species. Even if the decade from 2001–2010 shows the maximum publications mentioning species records from the campus, most of them either deal with species cultivated for experimental purposes or indirect records; whereas publications from the period 1951–1970 deal more directly with the floristics of the campus. The present compilation should not be considered as a complete enumeration of the campus flora. We are well aware of the limitations of the present study and families like Cyperaceae, Poaceae and some exotic ornamentals are predicted to show more richness on critical examination.

Vartak in his analysis of the campus flora (1958a) had put forth his desire to compile a comprehensive flora for the campus after collection of adequate data in the future. The unavailability of the complete floristic account of the campus till date has also resulted in our lack of understanding about the vegetation that can thrive under pronounced human influence (Ranade

2000–2001). Thus the current work stands as an important, much awaited baseline document for all further studies with respect to the campus and we hope that it would be updated periodically in the future.

The Fergusson Botanical garden

Botanical gardens are of tremendous research importance as they help conserve rare, endemic plants (Fay 1992), contribute to supplying live material for biosystematic studies, preparation of local floras, monographs (Naik 2000) and even climate change research (Primack & Miller-Rushing 2009). In light of increasing student strength, FCBG was established in 1902 by the late Prof. Shevade, the then professor of Botany and developed later by the late Prof. D. L. Dixit (Vartak 1958a). FCBG was once a well-known garden in western Maharashtra complete with a rich assemblage of rare species (Vartak 1958a; 1964; Wagh 1996), but underwent great destruction after the Panshet flood (1961) and the drought which followed (Vartak 1964; Wagh 1996). FCBG once had a well-planned fernery, rockery, a well maintained habitat for aquatic plants along with separate sections for plants arranged



Image 3. A: *Ceropegia bulbosa*, B: *Capparis zeylanica*, C: *Hiptage madablota*, D: *Blepharis molluginifolia*, E: *Desmodium scorpiurus*, F: *Leucas urticifolia*, G: *Crotalaria medicaginea*, H: *Dorstenia indica*

according to families (Vartak 1958a). Apart from some efforts in the form of infrastructure development (grants during 1998 by the Pune-Bremen Association and during 1999 by the Department of Environment and Forests, Govt. of India) and in 2003 during the garden's centenary year (Anonymous 2003), it has seen great degradation recently (Anonymous 2002; Satam 2011) and needs to be urgently maintained. The loss of rare and well grown plants from the garden including *Encephalartos* sp., *Garcinia livingstonei* T. Anderson, *Elaeocarpus ganitrus*, *Dillenia indica* L., *Coccoloba uvifera* (L.) L., *Chloroxylon swietenia* DC., *Eulophia pratensis* Lindl. and *Saccopetalum tomentosum* Hook.f. & Thomson is indeed significant. Most of these species are also some of the most cited ones (refer Fig. 5). Until 1996, specimens required for undergraduate studies were grown in the garden itself and it also provided material for the Certificate course in Nursery Development which was functional back then (Wagh 1996). After the establishment of postgraduate courses at the University of Poona in 1948, FCBG slowly started losing its importance; which is evident from the fact that 15 to 30 gardeners were employed at the beginning (Vartak 1981) which reduced to four by 2000 (A.C. Inamdar pers.comm. 2015). It still has some



Image 4. A: Panoramic view of the main campus as seen from the hill, B: Fergusson hill, C: Typical microhabitat on the hill with *Cyanotis* sp., *Evolvulus alsinoides*, *Aristida funiculata*, D: Botanical garden (FCBG), E: General view of the area around the mathematics department

important heritage trees (for Pune City) at present for example *Acacia greggii*, *Araucaria cunninghamii* Mudie, *Parmentiera cereifera*, *Terminalia bellirica* (Gaertn.) Roxb., *Pterygota alata* (Roxb.) R.Br., *Cedrela toona* Roxb.ex Rottler, *Dendrocalamus giganteus* Munro and *Gardenia latifolia* Aiton which need to be conserved. The herbarium of the Botany department of this college also houses a rich collection of specimens collected from the campus (Image 5).

The Fergusson hill

The hill today presents a mosaic of habitats with patches of relict scrub vegetation along with plantations (Image 4). Only some part of the southern spur of the hill and fragmented patches of the hill top retain the original forest type with the presence of *Aristida* spp., *Dichanthium* spp., *Lophopogon tridentatus* (Roxb.) Hack., *Acacia leucophloea* and *Flueggea leucopyrus* Willd. Mass plantations of exotics like *Gliricidia sepium* (Jacq.) Walp and *Leucaena leucocephala* (Lam.) de Wit in the past have severely affected native diversity. The *Boswellia-Lannea-Anogeissus* tree community can

hardly be seen on the FC hill today, which is otherwise common on adjacent hills in Pune (Nerlekar & Kulkarni 2015). Several citizens use the hill regularly everyday for recreational activities and thus can contribute positively towards its development. Recent unplanned afforestation programmes also pose a threat to the hill's diversity and preserving the original dry-deciduous and scrub vegetation is of urgent need. The grassland/scrub patches are a unique ecosystem by themselves and communicating this to the general public is of paramount importance.

Pune City has undergone rapid changes in land use patterns with the percentage of urban land use shooting up from 2.96 in 1977 to 20.40 in 2013 and a decline in vegetation (Ramachandra et al. 2014). Urban green spaces including this college campus are of great ecological significance as they provide multiple ecosystem services like clean air and water, sustain an array of wildlife, mitigate climate change, and reduce the heat island effect (Kitha & Lyth 2011). Thus understanding the history of biodiversity, periodic quantitative monitoring and compilation of such urban biota especially in tropical cities (Aronson et al. 2014) by conducting exhaustive surveys and engaging students in its conservation would pave the path towards conservation of this unique urban landscape.

'Ignorance of natural history grows in direct proportion to the scarcity of natural areas in convenient proximity to where people live' (Noss 1996). Pure sciences for instance plant taxonomy have been greatly neglected in recent years (Abrol 2013). Also, there has been a severe dearth of trained field botanists or naturalists in a broader sense (Noss 1996; Sen 2013). The decline in the willingness to carry out taxonomic work is an outcome of the fact that taxonomy has been underrated by universities (Venu 2002). Such baseline data in the form of species checklists would prove to be valuable for future conservation efforts (Check List 2015).

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In the present initiative, the authors are well aware of the citation of grey literature such as articles from the Fergusson College Magazine, Poona Agriculture College Magazine, conference proceedings and theses. Such grey literature is nonetheless important to science as a primary source of information (Alberani 1990) and thus was of utmost importance for citing sources for the present compilation.

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Image 5. Herbarium and photographic records: A - *Elaeocarpus ganitrus*; B - *Haematoxylon campechianum*; C - *Eriobotrya japonica*; D - *Sterculia guttata*; E - *Calophyllum inophyllum*, F - *Eulophia pratensis*; G - Archival photograph of *Encephalartos* sp. specimen that was present at FCBG; H - Archival photograph of *Encephalartos* sp (female cone); I - *Crateva religiosa*

Table 1. Checklist of the vascular plants recorded in the campus till 2014. All scientific and family names follow The Plant List (2014). For each species, occurrence record from three herbarium sources namely herbarium of Agharkar Research Institute (AHMA), herbarium of Botany department, Fergusson College, Pune (FC*) and herbarium of Botany department, Pune University, Pune (HPU*) have been mentioned. The past and present status has been indicated by either Y (present) or N (absent). *-not standard acronyms. Records of only completely identified specimens have been included here except in cases where either the taxon is not reported by other sources or it is ascertained that the two taxa are different species.

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
				Acanthaceae				
1				<i>Adhatoda vasica</i> Nees	Y	Y	Vartak (1959c)	<i>Justicia adhatoda</i> L. (accepted name)
2	221	5825		<i>Andrographis echioides</i> (L.f.) Nees	Y	Y	Vartak (1959c)	Rare on hills
3				<i>Asystasia mysorensis</i> (Roth) T.Anderson	N	Y		On hill
4				<i>Barleria cristata</i> L.	N	Y		
5				<i>Barleria prionitis</i> L.	N	Y		
6	8473	5869		<i>Beloperone aurantiaca</i> (Hook.) Benth. & Hook. f.	Y	N		<i>Justicia kuestera</i> V.A.W. Graham (unresolved name)
7		26952		<i>Beloperone oblongata</i> Nees	Y	N		<i>Justicia plumbaginifolia</i> J.Jacq. (unresolved)
8				<i>Blepharis maderaspatensis</i> (L.) B. Heyne ex Roth	N	Y		Seen at hill-base
9	4890	5879		<i>Blepharis molluginifolia</i> Pers.	Y	Y		<i>Blepharis integrifolia</i> (L.f.) E. Mey. & Drège ex Schinz (accepted name). On hill
10	8333	5892		<i>Crossandra undulifolia</i> Salisb.	Y	Y		<i>Crossandra infundibuliformis</i> (L.) Nees (accepted name)
11	7936	5893		<i>Dianthera secunda</i> (Vahl) Griseb.	Y	N		<i>Justicia secunda</i> Vahl (accepted name)
12				<i>Dicliptera paniculata</i> (Forssk.) I. Darbysh.	N	Y		<i>Peristrophe paniculata</i> (Forssk.) Brummitt (synonym)
13				<i>Ecbolium ligustrinum</i> (Vahl) Vollesen	N	Y		Around Kimaya
14				<i>Haplanthus nilgherrensis</i> Wight	N	Y		
15				<i>Hemigraphis repanda</i> (L.) Hallier f.	N	Y		
16	12534	6007		<i>Justicia gendarussa</i> Burm. f.	Y	Y		As a hedge plant
17				<i>Justicia heterocarpa</i> T. Anderson	N	Y		
18	5755	6011		<i>Justicia micrantha</i> (Oerst.) V.A.W. Graham	Y	N		
19		6016		<i>Justicia procumbens</i> L.	Y	N		
20		6028		<i>Justicia quinqueangularis</i> K.D. Koenig ex Roxb.	Y	N		
21	3616			<i>Justicia simplex</i> D. Don	Y	N		<i>Justicia japonica</i> Thunb. (accepted name)
22	10316			<i>Lepidagathis cristata</i> Willd.	Y	Y		Name unresolved. Seen on hill
23	9353			<i>Meyenia hawtayneana</i> Nees	Y	N		Name unresolved. <i>Thunbergia hawtayneana</i> Wall. (unresolved name)
24				<i>Pseuderanthemum laxiflorum</i> (A. Gray) F.T. Hubb. ex L.H. Bailey	N	Y		
25	10249			<i>Ruellia patula</i> Jacq.	Y	N		
26				<i>Ruellia simplex</i> C. Wright	N	Y		Growing around main building
27	3687	6113		<i>Ruellia tuberosa</i> L.	Y	N		
28	4456	6145		<i>Sanchezia nobilis</i> Hook.	Y	N		
29	4030	6146		<i>Thunbergia alata</i> Bojer ex Sims	Y	N		
30	4056	6148		<i>Thunbergia erecta</i> (Benth.) T. Anderson	Y	N		<i>Meyenia erecta</i> Benth. (synonym)
31				<i>Thunbergia fragrans</i> Roxb.	N	Y		Occasional on hedges
32				<i>Thunbergia grandiflora</i> (Roxb. ex Rottl.) Roxb.	N	Y		

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
				Acoraceae				
33		8213		<i>Acorus calamus</i> L.	Y	N	Vartak (1959c), Vartak (1981)	
				Amaranthaceae				
34	3921			<i>Achyranthes aspera</i> L.	Y	Y	Vartak (1959c)	Abundant
35		26220		<i>Aerva lanata</i> (L.) Juss.	Y	N		
36				<i>Alternanthera brasiliana</i> (L.) Kuntze	N	Y		Around Maths department
37	9304	26204		<i>Alternanthera pungens</i> Kunth	Y	N		
38	4006	26213		<i>Alternanthera sessilis</i> (L.) R. Br. ex DC.	Y	Y		Weed
39		21449		<i>Amaranthus caudatus</i> L.	Y	N		
40	5363	26218		<i>Amaranthus paniculatus</i> L.	Y	N		<i>Amaranthus cruentus</i> L. (accepted name)
41		26208		<i>Amaranthus spinosus</i> L.	Y	Y		
42				<i>Amaranthus tricolor</i> L.	Y	N	Vartak (1959c)	
43	9439			<i>Amaranthus viridis</i> L.	Y	Y		
44	10339			<i>Atriplex hortensis</i> L.	Y	N		
45	9648			<i>Celosia argentea</i> L.	Y	N		
46	–			<i>Chenopodium album</i> L.	Y	N		
47	9848			<i>Digera arvensis</i> Forssk.	Y	N		<i>Digera muricata</i> (L.) Mart. (accepted name)
48	4995	6721		<i>Gomphrena celosioides</i> Mart.	Y	N		
49	9292	6728		<i>Gomphrena globosa</i> L.	Y	Y		
				Amaryllidaceae				
50				<i>Allium cepa</i> L.	N	Y		
51	215			<i>Crinum asiaticum</i> L.	Y	Y		
52	4452			<i>Haemanthus katharinae</i> Baker	Y	Y		<i>Scadoxus multiflorus</i> subsp. <i>katharinae</i> (Baker) Friis & Nordal (accepted name)
53				<i>Hymenocallis littoralis</i> (Jacq.) Salisb.	N	Y		
54		14181		<i>Zephyranthes rosea</i> Lindl.	Y	Y		
				Anacardiaceae				
55		1309		<i>Anacardium occidentale</i> L.	Y	N	Vartak (1959c)	Planted at staff quarters by G.V. Kelkar (P.S. Karekar pers. comm. 2015)
56		1312		<i>Buchanania lanzan</i> Spreng.	Y	N		<i>Buchanania cochinchinensis</i> (Lour.) M.R. Almeida (accepted name)
57		1327		<i>Lannea coromandelica</i> (Houtt.) Merr.	Y	Y	Vartak (1964), Nalavade (2001)	Occasional on hill and one specimen at FCBG
58	510	1330		<i>Mangifera indica</i> L.	Y	Y	Vartak (1964)	
59				<i>Rhus mysorensis</i> G.Don	N	Y		Unresolved name , on hill
				Annonaceae				
60		00065		<i>Annona muricata</i> L.	Y	N	Vartak (1959c, d, 1964), Patwardhan & Gandhe (2000–01)	
61	9857			<i>Annona reticulata</i> L.	Y	Y	Vartak (1959c, 1964)	
62	351			<i>Annona squamosa</i> L.	Y	Y	Vartak (1959c, 1964)	
63	8335			<i>Artabotrys odoratissimus</i> R.Br.	Y	Y	Vartak (1959c)	<i>Artabotrys hexapetalus</i> (L.f.) Bhandari (accepted name)
64	8281	00075		<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Y	Y	Vartak (1964)	

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
65	7966	00079, 00073		<i>Saccopetalum tomentosum</i> Hook. f. & Thomson	Y	N	Vartak (1959d, 1964)	Name unresolved, <i>Uvaria tomentosa</i> Roxb., <i>Miliusa tomentosa</i> (Roxb.) J. Sinclair (unresolved synonyms). <i>Miliusa indica</i> Lesch. ex A. DC. considered as synonym
				Apiaceae				
66		3394		<i>Coriandrum sativum</i> L.	Y	Y		
67		3401		<i>Daucus carota</i> L.	Y	N		
68		3404		<i>Foeniculum vulgare</i> Mill.	Y	Y		
				Apocynaceae				
69				<i>Adenium obesum</i> (Forssk.) Roem. & Schult.	N	Y		Around Botany Department
70				<i>Alstonia scholaris</i> (L.) R. Br.	Y	Y	Vartak (1959c, 1964, 1981)	An old specimen on footpath (once inside FCBG)
71	7405			<i>Asclepias curassavica</i> L.	Y	Y	Vartak (1959c)	Seen inside main circle in 2014
72	124b			<i>Calotropis gigantea</i> (L.) Dryand.	Y	Y		
73				<i>Carissa carandas</i> L.	N	Y		
74	118	4642		<i>Catharanthus roseus</i> (L.) G. Don	Y	Y		
75	3746	4646		<i>Cerbera odollam</i> Gaertn.	Y	N		
76				<i>Cerapegia bulbosa</i> Roxb.	N	Y		Rare on hill. Lepidopteran pests seen damaging entire plant
77	4038			<i>Cryptolepis buchananii</i> Roem. & Schult.	Y	Y		<i>Cryptolepis dubia</i> (Burm. f.) M.R. Almeida (accepted name). Seen at hill base
78	45			<i>Cryptostegia grandiflora</i> Roxb. ex R.Br.	Y	Y		Around boys hostel, physics department
79	2687			<i>Cynanchum callialatum</i> Buch.-Ham. ex Wight	Y	N		
80				<i>Cynanchum tunicatum</i> (Retz.) Alston	N	Y		Around maths department
81	129			<i>Daemia extensa</i> R.Br.	Y	N		<i>Pergularia daemia</i> (Forssk.) Chiov. (accepted name)
82				<i>Dregea volubilis</i> (L.f.) Benth. ex Hook.f.	N	Y		On hill
83				<i>Hemidesmus indicus</i> (L.) R. Br. ex Schult.	N	Y		Around Maths department
84				<i>Holarrhena antidysenterica</i> (Roth) Wall. ex A.DC.	Y	N	Vartak (1964), Mahajan (2006)	<i>Holarrhena pubescens</i> Wall. ex G. Don (accepted name)
85		4666		<i>Kopsia fruticosa</i> (Roxb.) A.DC.	Y	N		
86	4430	4668		<i>Nerium indicum</i> Mill.	Y	Y		<i>Nerium oleander</i> L. (accepted name)
87				<i>Pentalinon luteum</i> (L.) B.F. Hansen & Wunderlin	N	Y		
88				<i>Plumeria acutifolia</i> Poir.	Y	Y	Vartak (1964)	<i>Plumeria rubra</i> L. (accepted name)
89				<i>Plumeria alba</i> L.	N	Y		
90				<i>Plumeria obtusa</i> L.	N	Y		
91				<i>Plumeria pudica</i> Jacq.	N	Y		
92	116	4676		<i>Rauwolfia canescens</i> L.	Y	Y		Occasional in campus
93				<i>Rauwolfia serpentina</i> (L.) Benth. ex Kurz	Y	N	Mahajan (2006)	
94	124			<i>Sarcostemma stocksii</i> Hook. f.	Y	N		
95		4694		<i>Tabernaemontana citrifolia</i> L.	Y	N		
96	7934			<i>Tabernaemontana coronaria</i> (Jacq.) Willd.	Y	Y		<i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schult. (accepted name)
97		24543		<i>Thevetia peruviana</i> (Pers.) K. Schum.	Y	Y	Vartak (1964)	<i>Cascabela thevetia</i> (L.) Lippold (accepted name)
98				<i>Tylophora indica</i> (Burm. f.) Merr.	N	Y		Rare, only at FCBG.

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
99	2044	4696		<i>Vallisneria spiralis</i> Spreng.	Y	Y		<i>Vallisneria spiralis</i> (Roth) Kuntze (accepted name). Rare, at FCBG
100				<i>Wrightia arborea</i> (Dennst.) Mabb.	N	Y		Rare, a shrub only seen behind geology department
101		4702		<i>Wrightia tinctoria</i> R. Br.	Y	Y	Ingalhalikar & Barve (2010)	at FCBG
				Araceae				
102		8262		<i>Aglaonema nitidum</i> (Jack) Kunth	Y	N		
103		8263		<i>Anthurium macrolobium</i> hort. ex W. Bull	Y	N		
104				<i>Colocasia esculenta</i> (L.) Schott	N	Y		
105				<i>Dieffenbachia amoena</i> Bull.	N	Y		Unresolved name
106				<i>Epipremnum aureum</i> (Linden & André) G.S. Bunting	N	Y		
107				<i>Lemnaminor</i> L.	N	Y		Cultivated in ponds
108				<i>Monstera deliciosa</i> Liebm.	N	Y		
109	114			<i>Pistia stratiotes</i> L.	Y	Y		Cultivated in ponds
110		26241		<i>Sauromatum venosum</i> (Dryand. ex Aiton) Kunth	Y	N		
111				<i>Spathiphyllum wallisii</i> Regel	N	Y		
112				<i>Syngonium podophyllum</i> Schott	N	Y		
				Araliaceae				
113	8469			<i>Heptapleurum venulosum</i> (Wight & Arn.) Seem.	Y	N		<i>Schefflera venulosa</i> (Wight & Arn.) Harms (accepted name)
114	1243			<i>Hydrocotyle asiatica</i> L.	Y	Y		<i>Centella asiatica</i> (L.) Urb. (accepted name)
115				<i>Schefflera actinophylla</i> (Endl.) Harms	N	Y		
116				<i>Schefflera arboricola</i> (Hayata) Merr.	N	Y		
117		26121, 26122		<i>Schefflera roxburghii</i> Gamble	Y	N		
				Araucariaceae				
118				<i>Araucaria cunninghamii</i> Mudie	Y	Y	Vartak (1964), Ingalhalikar & Barve (2010)	Rare, in FCBG
119				<i>Araucaria heterophylla</i> (Salisb.) Franco	N	Y		
				Arecaceae				
120				<i>Areca catechu</i> L.	Y	Y	Vartak (1959c, 1964)	
121	220			<i>Caryota urens</i> L.	Y	Y		
122	3726	8200		<i>Cocos nucifera</i> L.	Y	Y	Ghate (1987)	
123				<i>Dyopsis decaryi</i> (Jum.) Beentje & J. Dransf.	N	Y		Rare, planted around IMDR
124				<i>Dyopsis lutescens</i> (H. Wendl.) Beentje & J. Dransf.	N	Y		
125				<i>Elaeis guineensis</i> Jacq.	N	Y		Rare, one specimen at central garden
126	9349			<i>Oreodoxa regia</i> Kunth	Y	Y		<i>Roystonea regia</i> (Kunth) O.F. Cook (accepted name)
127				<i>Phoenix sylvestris</i> (L.) Roxb.	N	Y		Around IMDR
128				<i>Rhapis excelsa</i> (Thunb.) Henry	N	Y		Cultivated as ornamental
129				<i>Sabal palmetto</i> (Walter) Lodd. ex Schult. & Schult. f.	Y	Y	Ingalhalikar & Barve (2010)	Rare, one specimen at central garden
				Aristolochiaceae				
130	3908			<i>Aristolochia fimbriata</i> Cham.	Y	N		
131		6846		<i>Aristolochia ornithocephala</i> Hook.	Y	N		<i>Aristolochia labiata</i> Willd. (accepted name)

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
				Asparagaceae				
132	9413			<i>Agave americana</i> L.	Y	Y		
133				<i>Asparagus densiflorus</i> (Kunth) Jessop	N	Y		
134	8511			<i>Asparagus racemosus</i> Willd.	Y	Y		
135				<i>Asparagus setaceus</i> (Kunth) Jessop	N	Y		At FCBG
136				<i>Asparagus virgatus</i> Baker	Y	N	material also collected from FC for Mahabale & Inamdar (1975) (A.C. Inamdar pers. comm. 2015)	
137				<i>Beaucarnea recurvata</i> Lem.	N	Y		
138				<i>Chlorophytum comosum</i> (Thunb.) Jacques	N	Y		
139	218			<i>Chlorophytum glaucum</i> Dalzell	Y	N		
140				<i>Dracaena fragrans</i> (L.) Ker Gawl.	Y	Y	Vartak (1964)- did not specify species.	
141				<i>Dracaena marginata</i> hort.	N	Y		
142				<i>Dracaena reflexa</i> Lam.	N	Y		
143				<i>Furcraea foetida</i> (L.) Haw.	N	Y		
144				<i>Ledebouria revoluta</i> (L. f.) Jessop	N	Y		Seen on hill, population reducing
145		7865		<i>Polianthes tuberosa</i> L.	Y	Y		
146	3788	8065		<i>Ruscus aculeatus</i> L.	Y	N		
147				<i>Ruscus hypoglossum</i> L.	N	Y		Around maths department
148				<i>Sansevieria cylindrica</i> Bojer ex Hook.	N	Y		
149				<i>Sansevieria trifasciata</i> Prain	N	Y		
150				<i>Yucca aloifolia</i> L.	Y	Y	Mahajan (2006)- did not specify species	Seen around ladies hostel
				Asteraceae				
151	9324	3796		<i>Acanthospermum hispidum</i> DC.	Y	Y		On hill and waste places
152	9911			<i>Ageratum conyzoides</i> (L.) L.	Y	Y		
154				<i>Artemisia japonica</i> Thunb.	N	Y		<i>Artemisia parviflora</i> Buch.-Ham. ex Roxb. (synonym). Rare, on hill.
153		26252		<i>Artemisia pallens</i> Wall. ex DC.	Y	N		
155	10273, 79	26334		<i>Bidens biternata</i> (Lour.) Merr. & Sherff	Y	Y	Vartak (1959c)	(<i>Bidens pilosa</i> L. considered as synonym) around Law college and hill
156	10306			<i>Blainvillea latifolia</i> (L.f.) DC.	Y	Y		<i>Synedrella nodiflora</i> (L.) Gaertn. (accepted name), gregarious during monsoon
157		3874		<i>Blainvillea rhomboidea</i> Cass.	Y	Y		Gregarious during monsoon
158				<i>Blumea lacera</i> (Burm. f.) DC.	N	Y		Common
159	3688	3954		<i>Carthamus tinctorius</i> L.	Y	N		
160				<i>Chrysanthemum indicum</i> L.	N	Y		
161		26261		<i>Conyza japonica</i> (Thunb.) Less. ex Less.	Y	N		
162		26399		<i>Coreopsis tinctoria</i> Nutt.	Y	N		
163				<i>Cosmos bipinnatus</i> Cav.	N	Y		
164		26374		<i>Cyathocline purpurea</i> (Buch.-Ham. ex D. Don) Kuntze	Y	Y		Rare, seen around maths department
165		26469		<i>Eclipta prostrata</i> (L.) L.	Y	Y		<i>Blainvillea acmella</i> (L.) Philipson (accepted name)

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166	10262	26425		<i>Emilia sonchifolia</i> (L.) DC. ex DC.	Y	Y		
167	1642			<i>Erigeron asteroides</i> Wall.	Y	N		Name unresolved
168				<i>Erigeron bonariensis</i> L.	N	Y		
169		4074		<i>Eupatorium odoratum</i> L.	Y	Y		<i>Chromolaena odorata</i> (L.) R.M. King & H. Rob. (accepted name), around maths department
170		4081		<i>Gerbera jamesonii</i> Bolus ex Hook. f.	Y	Y		
171	10232			<i>Glossocardia linearifolia</i> Cass.	Y	N		<i>Glossocardia bosvallia</i> (L.f.) DC. (accepted name)
172				<i>Gnaphalium polycaulon</i> Pers.	N	Y		seen on hill
173	10337			<i>Guizotia abyssinica</i> (L.f.) Cass.	Y	N		
174		4131		<i>Helianthus annuus</i> L.	Y	Y		
175		4137		<i>Lactuca remotiflora</i> DC.	Y	Y		<i>Launaea intybacea</i> (Jacq.) Beauverd (accepted name)
176	8509			<i>Lagascea mollis</i> Cav.	Y	Y		Seen around Boys hostel, hill
177	9336	4171		<i>Notonia grandiflora</i> Wall. ex DC.	Y	N		<i>Kleinia grandiflora</i> (Wallich ex DC.) N. Rani (accepted name)
178	10214			<i>Parthenium hysterophorus</i> L.	Y	Y	Desai (1974)	Abundant
179	104	4186		<i>Pulicaria wightiana</i> (DC.) C.B. Clarke	Y	Y		Abundant on hill
180	3835	4247		<i>Solidago canadensis</i> L.	Y	N		
181				<i>Sphagneticola calendulacea</i> (L.) Pruski	N	Y		Earlier name: <i>Wedelia calendulacea</i> (L.) Less
182	7945			<i>Spilanthes acmella</i> (L.) L.	Y	N		
183		4276		<i>Spilanthes calva</i> DC.	Y	Y		<i>Acemella paniculata</i> (Wall. ex DC.) R.K. Jansen (accepted name), seen on hill and around chemistry department
184				<i>Tagetes erecta</i> L.	N	Y		
185				<i>Tithonia rotundifolia</i> (Mill.) S.F.Blake	N	Y		Gregarious after monsoons in FCBG
186	106			<i>Tricholepis radicans</i> (Roxb.) DC.	Y	Y		Misidentified as <i>Tricholepis glaberrima</i> DC. In FC herbarium sheet. On hill
187	4007	26362		<i>Tridax procumbens</i> (L.) L.	Y	Y		Abundant
188	9905, 9906			<i>Vernonia cinerea</i> (L.) Less.	Y	Y		<i>Cyanthillium cinereum</i> (L.) H. Rob. (accepted name)
189	108			<i>Vernonia divergens</i> (DC.) Edgew.	Y	N		<i>Acilepis divergens</i> (Roxb.) H. Rob. & Skvarla (accepted name)
190		4352		<i>Vicoa indica</i> (L.) DC.	Y	Y		<i>Pentanema indicum</i> (L.) Ling (accepted name)
191	112	4358		<i>Xanthium strumarium</i> L.	Y	Y		At waste places
				Balsaminaceae				
193	28			<i>Impatiens holstii</i> Engl. & Warb.	Y	Y		
192		834		<i>Impatiens balsamina</i> L.	Y	N		
				Begoniaceae				
194		3340		<i>Begonia coccinea</i> Hook.	Y	Y		
195				<i>Begonia grandis</i> Dryand.	N	Y		
				Bignoniaceae				
196				<i>Adenocalymma comosum</i> (Cham.) DC.	N	Y		
197	4045	5791		<i>Bignonia gracilis</i> Lodd.	Y	N		<i>Dolichandra unguis-cati</i> (L.) L.G. Lohmann (accepted name)
198	7144	5782		<i>Bignonia incarnata</i> Aubl.	Y	N		<i>Bignonia aequinoctialis</i> L. (accepted name)
199		5784		<i>Bignonia magnifica</i> W. Bull	Y	N		

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200				<i>Bignonia megapotamica</i> Spreng.	Y	N	Vartak (1964)	<i>Vitex megapotamica</i> (Spreng.) Moldenke (accepted name)
201	150			<i>Crescentia cujete</i> L.	Y	N	Vartak (1964)	
202				<i>Dolichandrone falcata</i> (Wall. ex DC.) Seem.	Y	Y	Nalavade (2001)	Occasional on hill
203		5789		<i>Dolichandrone stipulata</i> (Wall.) Benth. ex C.B. Clarke	Y	N		<i>Markhamia stipulata</i> (Wall.) Seem. (accepted name)
204				<i>Heterophragma quadriloculare</i> (Roxb.) K. Schum.	N	Y		Planted on hill
205	149			<i>Jacaranda acutifolia</i> Bonpl.	Y	Y	Vartak (1964)	
206				<i>Kigelia africana</i> (Lam.) Benth.	N	Y		Rare, FCBG
207				<i>Markhamia platycalyx</i> (Baker) Sprague	Y	Y	Mahajan (2006)	<i>Markhamia lutea</i> (Benth.) K.Schum. (accepted name), behind maths department
208				<i>Millingtonia hortensis</i> L.f.	Y	Y	Vartak (1964)	
209	4344	5798		<i>Parmentiera cereifera</i> Seem.	Y	Y	Vartak (1964), Patwardhan & Gandhe (2000–01), Ingahalikar & Barve (2010)	Rare, only one specimen, strangled by <i>Vitis quadrangularis</i> at FCBG
210				<i>Podranea brycei</i> (N.E. Br.) Sprague	N	Y		Around main building
211	2470			<i>Spathodea campanulata</i> P. Beauv.	Y	Y	Vartak (1964)	
212				<i>Tabebuia argentea</i> (Bureau & K.Schum.) Britton	Y	Y	Mahajan (2006)	<i>Tabebuia aurea</i> (Silva Manso) Benth. & Hook.f. ex S. Moore (accepted name)
213		14095		<i>Tabebuia rosea</i> (Bertol.) Bertero ex A. DC.	Y	Y	Ghate (1987)	near Kimaya
214				<i>Tecoma capensis</i> (Thunb.) Lindl.	N	Y		around DES office
215	9458			<i>Tecoma stans</i> (L.) Juss. ex Kunth	Y	Y	Vartak (1964)	<i>Tecoma stans</i> var. <i>apiifolia</i> DC. (around main building) considered as synonym
				Bixaceae				
216	9	264		<i>Bixa orellana</i> L.	Y	N	Vartak (1959c, 1964)	
				Boraginaceae				
217	3927			<i>Cordia dichotoma</i> G. Forst.	Y	Y	Vartak (1964)	Dead specimen in FCBG, live around maths department
218		5029		<i>Cordia macleodii</i> Hook. f. & Thomson	Y	Y	Vartak (1964)	Seen at FCBG
219	2158	5034, 5035		<i>Cordia sebestena</i> L.	Y	Y	Vartak (1964), Ghate (1987)	Specimen in FCBG died in 2012
220				<i>Cordia sinensis</i> Lam.	N	Y		<i>Cordia gharaf</i> Ehrenb. ex Asch. (synonym), seen at FCBG
221		5039		<i>Ehretia acuminata</i> R. Br.	Y	N		
222	8212			<i>Ehretia aspera</i> Willd.	Y	Y	Ingahalikar & Barve (2010)	<i>Ehretia laevis</i> Roxb. (accepted name)
223	85			<i>Heliotropium ovalifolium</i> Forssk.	Y	Y		Rare on hill
224	9430			<i>Heliotropium paniculatum</i> R. Br.	Y	N		<i>Heliotropium zeylanicum</i> subsp. <i>paniculatum</i> (R. Br.) Kazmi (accepted name)
225	128			<i>Trichodesma indicum</i> (L.) Lehm.	Y	Y		Common on hill
				Brassicaceae				
226				<i>Cardamine trichocarpa</i> Hochst. ex A. Rich.	N	Y		Around maths department
227		185		<i>Iberis amara</i> L.	Y	N		
228		186		<i>Lepidium sativum</i> L.	Y	N		
229		187		<i>Raphanus sativus</i> L.	Y	N		
				Burseraceae				

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230				<i>Boswellia serrata</i> Roxb. ex Colebr.	Y	Y	Nalavade (2001)	Rare on hill
				Cactaceae				
231				<i>Epiphyllum oxypetalum</i> (DC.) Haw.	N	Y		
232		19320		<i>Opuntia elatior</i> Mill.	Y	Y		Spreading on hill
				Calceolariaceae				
233		3355		<i>Trianthera</i> sp.	Y	N		
				Calophyllaceae				
234	9865	366		<i>Calophyllum inophyllum</i> L.	Y	N	Vartak (1964), Ghate (1987)	
				Campanulaceae				
235		4484		<i>Laurentia longiflora</i> (L.) Peterm.	Y	N		<i>Hippobroma longiflora</i> (L.) G. Don (accepted name)
				Cannaceae				
236	4164	7809		<i>Canna indica</i> L.	Y	Y		
				Capparaceae				
237				<i>Capparis grandis</i> L.f.	N	Y		Around boys hostel
238	2		234	<i>Capparis zeylanica</i> L.	Y	Y		<i>Capparis horrida</i> L.f. (synonym). One well grown specimen around boys hostel
239	9380, 9381	250		<i>Crateva nurvala</i> Buch.-Ham.	Y	N	Vartak (1964)	<i>Crateva religiosa</i> G. Forst. Considered as synonym
				Caricaceae				
240				<i>Carica papaya</i> L.	Y	Y	Vartak (1964)	
				Caryophyllaceae				
241	9636	334		<i>Dianthus chinensis</i> L.	Y	Y		
242		335		<i>Polycarpaea corymbosa</i> (L.) Lam.	Y	N		
243		342		<i>Saponaria vaccaria</i> L.	Y	N		<i>Vaccaria hispanica</i> (Mill.) Rauschert (accepted name)
				Casuarinaceae				
244				<i>Casuarina equisetifolia</i> L.	Y	Y	Vartak (1964)	
				Celastraceae				
245		1053		<i>Cassine glauca</i> (Rottb.) Kuntze	Y	Y	Vartak (1964), Ingalhalikar & Barve (2010)	Single well grown specimen at FCBG
246				<i>Gymnosporia montana</i> (Roth) Benth.	Y	N	Nalavade (2001)	
				Ceratophyllaceae				
247				<i>Ceratophyllum</i> sp.	Y	N	Wagh (1996)	
				Cleomaceae				
248	9671	234		<i>Cleome simplicifolia</i> Hook.f. & Thomson	Y	Y		on hill
249	9649			<i>Cleome viscosa</i> L.	Y	Y		on hill
250	71, 5036			<i>Gynandropsis pentaphylla</i> Blanco	Y	N		<i>Cleome gynandra</i> L. (accepted name)
				Clusiaceae				
251				<i>Garcinia indica</i> (Thouars) Choisy	Y	N	Vartak (1964)	
252	7148	369	321	<i>Garcinia livingstonei</i> T. Anderson	Y	N	Vartak (1964)	
				Colchicaceae				
253	9709			<i>Gloriosa superba</i> L.	Y	N		
				Combretaceae				
254	-			<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. ex Bedd.	Y	Y	Vartak (1959c, 1964)	one well grown specimen at FCBG

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255		16911, 16915		<i>Anogeissus sericea</i> Brandis	Y	Y	Ghate (1987)	several well grown specimens at FCBG, spreading
256		2982		<i>Combretum coccineum</i> (Sonn.) Lam.	Y	N		
257		2983		<i>Combretum latifolium</i> Blume	Y	Y		Rare, one specimen at FCBG
258	8347	2991		<i>Quisqualis indica</i> L.	Y	Y		<i>Combretum indicum</i> (L.) DeFilippis (accepted name)
259	946			<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Y	Y	Vartak (1964, 1981), Wagh (1996), Mahajan (2006)	Rare, planted on hill, near amphitheatre
260	9633			<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Y	Y	Vartak (1964, 1981), Mahajan (2010)	two well grown specimens at FCBG, one around boys hostel, planted on hill
261				<i>Terminalia catappa</i> L.	N	Y		
262				<i>Terminalia crenulata</i> Roth	Y	Y	Vartak (1964)	Rare, one well grown specimen at FCBG
				Commelinaceae				
263	6207			<i>Commelina benghalensis</i> L.	Y	Y		
264	4479			<i>Commelina paleata</i> Hassk.	Y	N		
265		25991		<i>Commelina virginica</i> L.	Y	N		
266	10303			<i>Cyanotis axillaris</i> (L.) D. Don ex Sweet	Y	N		
267	5354	8148		<i>Cyanotis fasciculata</i> (B. Heyne ex Roth) Schult. & Schult. f.	Y	Y		abundant on hill
268				<i>Tradescantia pallida</i> (Rose) D.R. Hunt	N	Y		
269				<i>Tradescantia spathacea</i> Sw.	N	Y		
				Convolvulaceae				
270	129			<i>Argyrea speciosa</i> (L. f.) Sweet	Y	N	Vartak (1959c)	<i>Argyrea nervosa</i> (Burm. f.) Bojer (accepted name)
271	130			<i>Convolvulus arvensis</i> L.	Y	N		
272	132			<i>Cuscuta reflexa</i> Roxb.	Y	Y		
273	9328			<i>Evolvulus alsinoides</i> (L.) L.	Y	Y		common on hill
275	133			<i>Ipomoea digitata</i> L.	Y	N		<i>Ipomoea cheirophylla</i> O'Donell (accepted name)
274				<i>Ipomoea eriocarpa</i> R. Br.	N	Y		<i>Ipomoea sindica</i> Stapf. (synonym). Common on hill.
277	2260			<i>Ipomoea horsfalliae</i> Hook.	Y	N		
278	135			<i>Ipomoea indica</i> Stapf	Y	N		
279	136	5212		<i>Ipomoea nil</i> (L.) Roth	Y	N		<i>Ipomoea hederacea</i> (L.) Jacq. (synonym)
280				<i>Ipomoea obscura</i> (L.) Ker Gawl.	N	Y		
281	9329			<i>Ipomoea palmata</i> Forssk.	Y	Y		<i>Ipomoea cairica</i> (L.) Sweet (accepted name)
282				<i>Ipomoea parasitica</i> (Kunth) G. Don	N	Y		
283	12481	5254		<i>Ipomoea staphylina</i> Roem. & Schult.	Y	N		Name unresolved
284				<i>Ipomoea triloba</i> L.	N	Y		around DES office
276				<i>Ipomoea hederifolia</i> L.	N	Y		Rare, around FCBG
285	5785	5263		<i>Jacquemontia violacea</i> (Vahl) Choisy	Y	Y		<i>Jacquemontia paniculata</i> (Burm. f.) Hallier f. (accepted name)
286		5272		<i>Merremia dissecta</i> (Jacq.) Hallier f.	Y	Y		Rare, along tennis court-fence
287	10203	5299		<i>Porana paniculata</i> Roxb.	Y	N		
288	10209			<i>Quamoclit vulgaris</i> Choisy	Y	N		<i>Ipomoea quamoclit</i> L. (accepted name)
289	2261	19460		<i>Rivea hypocrateriformis</i> Choisy	Y	N		

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				Crassulaceae				
290				<i>Kalanchoe blossfeldiana</i> Poelln.	N	Y		
291		2933		<i>Kalanchoe laciniata</i> (L.) DC.	Y	Y	Vartak (1960)	
292		2945		<i>Kalanchoe tubiflora</i> (Harv.) Raym.-Hamet	Y	N		Name unresolved
				Cucurbitaceae				
293		3264		<i>Coccinia cordifolia</i> (L.) Cogn.	Y	N		<i>Mukia maderaspatana</i> (L.) M. Roem. (accepted name)
294				<i>Coccinia grandis</i> (L.) Voigt	N	Y		at central garden
295				<i>Cucurbita pepo</i> L.	N	Y		
296				<i>Diplocyclos palmatus</i> (L.) C. Jeffrey	N	Y		around maths department
297	10285			<i>Momordica charantia</i> L.	Y	N		
298				<i>Momordica dioica</i> Roxb. ex Willd.	N	Y		
				Cupressaceae				
299				<i>Cupressus glauca</i> Lam.	Y	N	Patwardhan & Gandhe (2000–01)	<i>Cupressus lusitanica</i> Mill. (accepted name)
300				<i>Thuja orientalis</i> L.	Y	Y	Vartak (1964)	<i>Platycladus orientalis</i> (L.) Franco (accepted name)
				Cyatheaceae				
301				<i>Alsophila</i> sp.	Y	N	Wagh (1996)	
				Cycadaceae				
302				<i>Cycas circinalis</i> L.	Y	Y	Vartak (1964)	several specimens with branched stems seen
303				<i>Cycas revoluta</i> Thunb.	Y	Y	Patwardhan & Gandhe (2000–01)	one doubtful specimen at central garden
				Cyperaceae				
304		9007, 14562		<i>Cyperus alternifolius</i> L.	Y	Y	Vartak & Ghate (1983)	
305		8653		<i>Cyperus alulatus</i> J.Kern	Y	N		
306		8783		<i>Cyperus compressus</i> L.	Y	N		
307	224	9453		<i>Cyperus rotundifolius</i> L.	Y	N		unresolved name
309		9521		<i>Cyperus triceps</i> Endl.	Y	N		<i>Cyperus dubius</i> Rottb. (accepted name)
310		10641		<i>Cyperus zollingeri</i> Steud.	Y	N		
308		9453		<i>Cyperus rubicundus</i> Vahl	Y	N		
311		10066		<i>Fimbristylis tenera</i> Schult.	Y	N		
312		26861		<i>Fuirena wallichiana</i> Kunth	Y	N		
313	228			<i>Kyllinga triceps</i> Sw.	Y	Y		<i>Kyllinga odorata</i> Vahl (accepted name)
				Davalliaceae				
314	12536			<i>Nephrolepis</i> sp.	Y	N		around Botany Department
				Dilleniaceae				
315		00057, 00058		<i>Dillenia indica</i> L.	Y	N	Vartak (1959d, 1964), Ghate (1987)	
				Dioscoreaceae				
316	5358	25768		<i>Dioscorea alata</i> L.	Y	N		
				Ebenaceae				
317		4554		<i>Diospyros embryopteris</i> Pers.	Y	Y	Vartak (1964)	<i>Diospyros malabarica</i> (Desr.) Kostel. (accepted name)
				Elaeagnaceae				
318				<i>Elaeagnus conferta</i> Roxb.	Y	N	Mahajan (2006)	

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
				Elaeocarpaceae				
319	12544	750 & 751	527	<i>Elaeocarpus ganitrus</i> Roxb. ex G. Don	Y	Y	Vartak (1958a, 1964), Ghatge (1987), Wagh (1996), Patwardhan & Gandhe (2000–01)	<i>Elaeocarpus serratus</i> L. (accepted name), <i>Elaeocarpus sphaericus</i> (Gaertn.) K. Schum. (illegitimate synonym). A small specimen present in FCBG till 2013.
				Equisetaceae				
320				<i>Equisetum</i> sp.	Y	N	Vartak (1958a), Wagh (1996)	was grown around Botany department (Botany department records)
				Euphorbiaceae				
321		7028		<i>Acalypha indica</i> L.	Y	Y	Vartak (1959c)	
322	8448	7024		<i>Acalypha hispida</i> Burm. f.	Y	Y	Vartak (1959c)	
323				<i>Acalypha wilkesiana</i> Müll. Arg.	N	Y		
324				<i>Codiaeum variegatum</i> (L.) Rumph. ex A. Juss.	N	Y		
325				<i>Euphorbia cotinifolia</i> L.	N	Y		
326				<i>Euphorbia cristata</i> B. Heyne ex Roth	N	Y		
327	9357	7145		<i>Euphorbia heterophylla</i> L.	Y	Y		<i>Euphorbia geniculata</i> Ortega (synonym)
329	4014			<i>Euphorbia hirta</i> L.	Y	Y		abundant
330				<i>Euphorbia lactea</i> Haw.	N	Y		
331				<i>Euphorbia neriifolia</i> L.	N	Y		
332	9382			<i>Euphorbia splendens</i> Bojer ex Hook.	Y	Y		<i>Euphorbia milii</i> var. <i>splendens</i> (Bojer ex Hook.) Ursch & Leandri (accepted name)
333	3919			<i>Euphorbia thymifolia</i> L.	Y	Y		
334	3991			<i>Euphorbia tirucalli</i> L.	Y	Y	Vartak (1964)	Around Geology Department
335				<i>Euphorbia tithymaloides</i> L.	N	Y		
336				<i>Euphorbia umbellata</i> (Pax) Bruyns	N	Y		
328		19616		<i>Euphorbia heyneana</i> Spreng.	Y	N		
337	205			<i>Jatropha curcas</i> L.	Y	Y		Around IMDR
338		7120		<i>Jatropha glandulifera</i> Roxb.	Y	N		
339	206			<i>Jatropha gossypifolia</i> L.	Y	Y		Around Botany Department
340				<i>Jatropha integerrima</i> Jacq.	N	Y		Around main building
341	8493	7230		<i>Jatropha podagrica</i> Hook.	Y	Y		around IMDR
342				<i>Manihot esculenta</i> Crantz	Y	N	Vartak (1964)	
343	203e			<i>Ricinus communis</i> L.	Y	Y		
344				<i>Trewia nudifolia</i> Hance	Y	N	Ingalhalikar & Barve (2010)	<i>Mallotus repandus</i> (Willd.) Müll. Arg. (accepted name). One tree at FCBG died in 2012
				Geraniaceae				
345				<i>Monsonia senegalensis</i> Guill. & Perr.	Y	N	Vartak (1959b)	
346		932		<i>Pelargonium zonale</i> (L.) L'Hér. ex Aiton	Y	N		
				Heliconiaceae				
347				<i>Heliconia rostrata</i> Ruiz & Pav.	N	Y		
				Hydrocharitaceae				
348				<i>Hydrilla</i> sp.	Y	Y	Wagh (1996)	Grown at central garden
349				<i>Ottelia</i> sp.	Y	N	Wagh (1996)	
350				<i>Vallisneria</i> sp.	Y	N	Wagh (1996)	

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
				Lamiaceae				
351	4004			<i>Anisomeles ovata</i> W.T. Aiton	Y	N		<i>Anisomeles indica</i> (L.) Kuntze (accepted name)
				Verbenaceae				
352	3614			<i>Clerodendrum calamitosum</i> L.	Y	N		
				Lamiaceae				
353	3676	6210		<i>Clerodendrum fallax</i> Lindl.	Y	N		<i>Clerodendrum speciosissimum</i> Drapiez (accepted name)
				Verbenaceae				
354	9732			<i>Clerodendrum fragrans</i> Willd.	Y	N		<i>Clerodendrum chinense</i> (Osbeck) Mabb. (accepted name)
355	4033	6221		<i>Clerodendrum inerme</i> (L.) Gaertn.	Y	N		<i>Volkameria inermis</i> L. (accepted name)
356				<i>Clerodendrum infortunatum</i> L.	N	Y		Around main building, cut in 2015
357	5770	6233		<i>Clerodendrum siphonanthus</i> R. Br.	Y	N		<i>Clerodendrum indicum</i> (L.) Kuntze (accepted name)
358	4027	6234		<i>Clerodendrum splendens</i> G. Don	Y	Y		Around maths department
359				<i>Gmelina arborea</i> Roxb.	Y	Y	Vartak (1964), Mahajan (2006)	On hill
360		6254		<i>Gmelina hystrix</i> Schult. ex Kurz	Y	N		<i>Gmelina philippensis</i> Cham. (accepted name)
361		6256		<i>Holmskioldia sanguinea</i> Retz.	Y	N		
				Lamiaceae				
362		6362		<i>Hyptis suaveolens</i> (L.) Poit.	Y	Y	Vartak (1959b)	on hill
363	_	19557		<i>Lavandula bipinnata</i> (Roth) Kuntze	Y	Y		On hill
364				<i>Leonotis nepetifolia</i> (L.) R.Br.	N	Y		Occasional in campus
365		19558		<i>Leucas aspera</i> (Willd.) Link	Y	Y		On hill
366	9288			<i>Leucas biflora</i> (Vahl) R.Br. ex Sm.	Y	N		
367	9702	6414		<i>Leucas longifolia</i> Benth.	Y	N		
368	_	6436		<i>Leucas urticifolia</i> (Vahl) R.Br. ex Sm.	Y	Y		Rare, around maths department
369				<i>Mentha × piperita</i> L.	N	Y		
370	9369	6469		<i>Ocimum americanum</i> L.	Y	Y		Along waste places
371				<i>Ocimum tenuiflorum</i> L.	N	Y		
372	3764			<i>Origanum majorana</i> L.	Y	N		
373		6483		<i>Origanum vulgare</i> L.	Y	N		
374				<i>Plectranthus scutellarioides</i> (L.) R. Br.	N	Y		
375	8440			<i>Pogostemon</i> sp.	Y	N		
376	10312			<i>Salvia</i> sp.	Y	N		Used to be cultivated around Botany department (records of Botany department)
377	389			<i>Tectona grandis</i> L.f.	Y	Y	Vartak (1964)	At FCBG
378		6291		<i>Vitex negundo</i> L.	Y	Y		
				Lecythidaceae				
379				<i>Couropita guianensis</i> Aubl.	Y	Y	Vartak (1964)	Around Kimaya
				Leguminosae				
476	9924	2195		<i>Phaseolus trilobus</i> Aiton	Y	Y		<i>Vigna trilobata</i> (L.) Verdc. (accepted name) on hill
380				<i>Abrus precatorius</i> L.	Y	N	Vartak (1959c), Mahajan (2006)	
381	9392			<i>Acacia arabica</i> (Lam.) Willd.	Y	Y	Vartak (1959c, 1964), Nalavade (2001)	<i>Acacia nilotica</i> (L.) Delile (accepted name), <i>Acacia arabica</i> var. <i>cupressiformis</i> Stewart (synonym)
382	7941			<i>Acacia auriculiformis</i> Benth.	Y	Y	Vartak (1964)	

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383	11271, 886			<i>Acacia catechu</i> (L.f.) Willd.	Y	Y	Nalavade (2001)	<i>Acacia sundra</i> (Roxb.) DC. (synonym)
384	9436			<i>Acacia concinna</i> (Willd.) DC.	Y	Y	Vartak (1959c)	Seen only at FCBG and around boys hostel
385				<i>Acacia ferruginea</i> DC.	N	Y		On hill
386				<i>Acacia greggii</i> A. Gray	N	Y		Rare, a single tree at FCBG. Not recorded in Maharashtra before.
387	-			<i>Acacia leucophloea</i> (Roxb.) Willd.	Y	Y	Vartak (1959c, 1964), Nalavade (2001)	On hill
388		2861		<i>Acacia polyacantha</i> Willd.	Y	N		
389		12502		<i>Adenantha pavonina</i> L.	Y	Y	Vartak (1959c, 1964), Ghate (1987), Tosh (1987), Patwardhan & Gandhe (2000-01)	Rare, one specimen at FCBG
390	8342			<i>Albizia lebeck</i> (L.) Benth.	Y	Y	Vartak (1959c)	Around Botany department
391				<i>Albizia procera</i> (Roxb.) Benth.	N	Y		Small specimens on hill
392	8346	2916		<i>Albizia saman</i> (Jacq.) Merr.	Y	Y	Vartak (1964), Ghate (1987), Tosh (1987)	<i>Samanea saman</i> (Jacq.) Merr. (synonym)
393	5006	1389		<i>Alysicarpus monilifer</i> (L.) DC.	Y	N	Tosh (1987)	On the hills
394	7167			<i>Alysicarpus pubescens</i> J.S.Law	Y	N		
395	10240			<i>Alysicarpus rugosus</i> (Willd.) DC.	Y	N		
396	9875			<i>Alysicarpus tetragonolobus</i> Edgew.	Y	Y		On the hills
397	9404	1417		<i>Alysicarpus vaginalis</i> (L.) DC.	Y	N	Vartak (1959c)	
398				<i>Arachis hypogaea</i> L.	Y	Y	Shinde et al. (2010), Shinde & Laware (2010)	Cultivated for experimental purpose
400	9281			<i>Bauhinia racemosa</i> Lam.	Y	Y	Vartak (1959c)	
401	9686	2369		<i>Bauhinia tomentosa</i> L.	Y	Y	Vartak (1959c, 1964), Patwardhan & Gandhe (2000-01)	Common at FCBG. Can be <i>B. tomentosa</i> forma <i>concolor</i>
402		2390		<i>Bauhinia variegata</i> L.	Y	N	Vartak (1959c, 1964), Tosh (1987)	
399		2267		<i>Bauhinia acuminata</i> L.	Y	N		
403		19956		<i>Bauhinia purpurea</i> L.	Y	Y	Vartak (1964)	
404				<i>Butea monosperma</i> (Lam.) Taub.	N	Y		Seen at FCBG, on hill
405		615		<i>Caesalpinia bonduc</i> (L.) Roxb.	Y	Y	Tosh (1987)	Seen till 2014 around maths department
406				<i>Caesalpinia ferrea</i> C.Mart.	Y	Y	Ingalhalikar & Barve (2010)	Rare, one specimen at FCBG
407	4444	2459		<i>Caesalpinia pulcherrima</i> (L.) Sw.	Y	Y	Vartak (1966)	
408	3820			<i>Cajanus indicus</i> Spreng.	Y	Y		<i>Cajanus cajan</i> (L.) Millsp. (accepted name)
409				<i>Calliandra haematocephala</i> Hassk.	N	Y		Around Maths department
410				<i>Canavalia ensiformis</i> (L.) DC.	N	Y		
411		21991		<i>Cassia alata</i> L.	Y	N	Tosh (1987)	<i>Senna alata</i> (L.) Roxb. (accepted name).
412				<i>Cassia auriculata</i> L.	Y	N	Nalavade (2001)	<i>Senna auriculata</i> (L.) Roxb. (accepted name)
413				<i>Cassia fistula</i> L.	Y	Y	Vartak (1964)	
414				<i>Cassia grandis</i> L.f.	Y	N	Vartak (1964)	
415		2523		<i>Cassia hirsuta</i> L.	Y	N	Joshi & Kumbhojkar (1997)	<i>Senna hirsuta</i> (L.) H.S.Irwin & Barneby (accepted name)
416	8442, 8443			<i>Cassia marginata</i> Roxb.	Y	Y	Vartak (1964)	<i>Cassia roxburghii</i> DC. (accepted name)

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417				<i>Cassia nodosa</i> Roxb.	Y	N	Vartak (1964), Patwardhan & Gandhe (2000–01)	<i>Cassia javanicas</i> sp. <i>nodosa</i> (Roxb.) K. Larsen & S.S. Larsen (accepted name)
418	9893			<i>Cassia pumila</i> Lam.	Y	Y		<i>Chamaecrista pumila</i> (Lam.) K. Larsen (accepted name). On hill
419		2614		<i>Cassia renigera</i> Benth.	Y	N	Vartak (1964), Tosh (1987)	
420				<i>Cassia siamea</i> Lam.	Y	Y	Vartak (1964)	<i>Senna siamea</i> (Lam.) H.S. Irwin & Barneby (accepted name)
421				<i>Cassia spectabilis</i> DC.	Y	Y	Mahajan (2006)	<i>Senna spectabilis</i> (DC.) H.S. Irwin & Barneby (accepted name). Near physics department.
422	110	2674		<i>Cassia tora</i> L.	Y	Y		<i>Senna tora</i> (L.) Roxb. (accepted name)
423		1648		<i>Clitoria ternatea</i> L.	Y	Y		
424	7160			<i>Crotalaria calycina</i> Schrank	Y	N		
425	7124	1502		<i>Crotalaria filipes</i> Benth.	Y	Y		At central garden
426	3740	19216		<i>Crotalaria juncea</i> L.	Y	Y		On hill
427				<i>Crotalaria medicaginea</i> Lam.	N	Y		On hill
428	11269, 11270			<i>Crotalaria orixensis</i> Willd.	Y	N		
429		16981		<i>Dalbergia lanceolaria</i> L.f.	Y	Y	Vartak (1964), Tosh (1987)	<i>Dalbergia lanceolaria</i> subsp. <i>lanceolaria</i> (synonym)
430				<i>Dalbergia lanceolaria</i> ssp. <i>paniculata</i> (Roxb.) Thoth.	N	Y		Only a single specimen on hill
431				<i>Dalbergia melanoxylon</i> Guill. & Perr.	N	Y		Introduced in the Pune University campus during the British rule, now spreading on hills.
432	104	17655		<i>Dalbergia sissoo</i> DC.	Y	Y	Vartak (1964), Tosh (1987)	common
433				<i>Delonix regia</i> (Hook.) Raf.	Y	Y	Vartak (1964)	
434				<i>Derris scandens</i> (Roxb.) Benth.	N	Y		Rare, only at FCBG.
435				<i>Desmodium scorpiurus</i> (Sw.) Desv.	N	Y		Behind Maths department
436	8489			<i>Desmodium laxum</i> DC.	Y	N		<i>Hylodesmum laxum</i> (DC.) H. Ohashi & R.R. Mill (accepted name). Species should be confirmed
437				<i>Desmodium tortuosum</i> (Sw.) DC.	N	Y		Seen around IMDR and FCBG
438	9463			<i>Desmodium triflorum</i> (L.) DC.	Y	N		
439		1796		<i>Dolichos biflorus</i> L.	Y	N		<i>Vigna unguiculata</i> (L.) Walp. (accepted name)
440				<i>Entada rheedii</i> Spreng.	Y	Y	Wagh (1996)	Was planted again in 2013 by authors, but died.
441		1800, 18032		<i>Erythrina variegata</i> L.	Y	Y	Vartak (1964), Ghate (1987), Tosh (1987)	<i>Erythrina variegata</i> var. <i>orientalis</i> (L.) Merr. (synonym)
442		18045		<i>Gliricidia sepium</i> (Jacq.) Walp.	Y	Y	Vartak (1964), Tosh (1987)	
443	11279			<i>Haematoxylon campechianum</i> L.	Y	N	Vartak (1964), Tosh (1987)	<i>Haematoxylum campechianum</i> L. (accepted name)
444				<i>Hardwickia binata</i> Roxb.	N	Y		one well grown specimen on hill
445	9896			<i>Heylandia latebrosa</i> (auct. non (L.) DC.	Y	Y		It is a misapplied name. <i>Crotalaria hebecarpa</i> (DC.) Rudd (accepted name)
446	9903	1850		<i>Indigofera anabaptista</i> Baker	Y	N	Tosh (1987)	<i>Indigofera hochstetteri</i> Baker (accepted name)
447	9419	1869		<i>Indigofera cordifolia</i> Roth	Y	Y		On hill
448	9908			<i>Indigofera glandulosa</i> Wendl.	Y	N		
449	9389	1904		<i>Indigofera linifolia</i> (L.f.) Retz.	Y	Y		On hill
450		3303		<i>Lathyrus odoratus</i> L.	Y	N	Tosh (1987)	

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451		2895,96		<i>Leucaena leucocephala</i> (Lam.) de Wit	Y	Y	Vartak (1964), Ghate (1987), Tosh (1987)	Spreading fast
452		3320		<i>Lupinus polyphyllus</i> Lindl.	Y	N	Tosh (1987)	
453	4503	1947		<i>Medicago sativa</i> L.	Y	N		
454	3850	2902		<i>Mimosa pudica</i> L.	Y	Y		Around Botany Department
455		1966		<i>Ougeinia oojeinensis</i> (Roxb.) Hochr.	Y	N	Vartak (1964)	<i>Desmodium oojeinense</i> (Roxb.) H. Ohashi (accepted name)
456				<i>Parkia biglandulosa</i> Wight & Arn.	Y	Y	Vartak (1964), Mahajan (2006)	Around Maths department
457	14110			<i>Parkinsonia aculeata</i> L.	Y	N		
458				<i>Peltophorum inerme</i> (Roxb.) Naves	Y	Y	Vartak (1964)	<i>Peltophorum pterocarpum</i> (DC.) K. Heyne (accepted name)
459	9863			<i>Phaseolus aconitifolius</i> Jacq.	Y	N		<i>Vigna aconitifolia</i> (Jacq.) Marechal(accepted name)
460	10237			<i>Phaseolus radiatus</i> L.	Y	Y		<i>Vigna radiata</i> (L.) R. Wilczek (accepted name)
461				<i>Pithecellobium dulce</i> (Roxb.) Benth.	Y	Y	Vartak (1964)	
462	8478	18130		<i>Pongamia pinnata</i> (L.) Pierre	Y	Y	Vartak (1964), Tosh (1987)	<i>Derris indica</i> (Lam.) Benn. (synonym)
463				<i>Prosopis juliflora</i> (Sw.) DC.	N	Y		around boys hostel, hill
464	11233			<i>Psoralea corylifolia</i> L.	Y	N		<i>Cullen corylifolium</i> (L.) Medik. (accepted name)
465	4998			<i>Rhynchosia minima</i> (L.) DC.	Y	Y		Rare, near physics department
466	3690			<i>Saraca indica</i> L.	Y	Y	Vartak (1964), Wagh (1996), Mahajan (2009)	Planted at FCBG
467				<i>Senna polyphylla</i> (Jacq.) H.S. Irwin & Barneby	N	Y		Rare, around main building. Cut down during 2014
468				<i>Senna surattensis</i> (Burm. f.) H.S. Irwin & Barneby	N	Y		Around IMDR
469				<i>Sesbania grandiflora</i> (L.) Pers.	Y	N	Vartak (1964)	
470				<i>Stylosanthes fruticosa</i> (Retz.) Alston	N	Y		Common on hill
471	3920			<i>Tamarindus indica</i> L.	Y	Y	Vartak (1964)	
472		22181		<i>Taverniera cuneifolia</i> (Roth) Ali	Y	N		
474	9923			<i>Tephrosia purpurea</i> (L.) Pers.	Y	Y		On hill
475	10235			<i>Tephrosia tenuis</i> Wall.	Y	Y		<i>Tephrosia strigosa</i> (Dalzell) Santapau & Maheshw. (accepted name). Rare on hill
473				<i>Tephrosia pumila</i> (Lam.) Pers.	N	Y		on hill and around boys hostel
477				<i>Zapoteca portoricensis</i> (Jacq.) H.M. Hern.	N	Y		
478	173			<i>Zornia diphylla</i> (L.) Pers.	Y	Y		on hill
				Linderniaceae				
479	9667	5678		<i>Torenia asiatica</i> L.	Y	N		
480				<i>Torenia fournieri</i> Linden ex E. Fourn.	N	Y		
				Loranthaceae				
481				<i>Dendrophthoe falcata</i> (L.f.) Ettingsh.	N	Y		Seen on <i>Dalbergia sissoo</i>
				Lythraceae				
482				<i>Cuphea hyssopifolia</i> Kunth	N	Y		Around Maths department
483	9333			<i>Lagerstroemia indica</i> L.	Y	Y		
484		3171		<i>Lagerstroemia parviflora</i> Roxb.	Y	N		
485	9739			<i>Lawsonia inermis</i> L.	Y	N		
486	9310	3248		<i>Punica granatum</i> L.	Y	Y	Vartak (1964)	
487				<i>Trapa</i> sp.	Y	N	Wagh (1996)	

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
488				<i>Woodfordia floribunda</i> Salisb.	Y	Y	Nalavade (2001)	Unresolved name
				Magnoliaceae				
489		00062		<i>Michelia champaca</i> L.	Y	Y	Vartak (1964), Ghate (1987)	<i>Magnolia champaca</i> (L.) Baill. ex Pierre (accepted name)
				Malpighiaceae				
490	25b			<i>Hiptage madablota</i> Gaertn.	Y	Y	Wagh (1996)	Unresolved name, <i>Hiptage bengalensis</i> Kuntze (unresolved synonym). One specimen at FCBG
491		784		<i>Malpighia glabra</i> L.	Y	Y		Only seen at FCBG
492		778		<i>Thryallis glauca</i> (Cav.) Kuntze	Y	Y		<i>Galphimia glauca</i> Cav. (accepted name)
493	14107			<i>Abutilon indicum</i> (L.) Sweet	Y	Y	Vartak (1959c)	Occasional in the campus
494	3985	530		<i>Adansonia digitata</i> L.	Y	Y	Vartak (1959c, 1964), Ghate (1987)	Two specimens at FCBG
495		404		<i>Althaea rosea</i> (L.) Cav.	Y	N	Vartak (1959c)	<i>Alcea rosea</i> L. (accepted name)
496	181			<i>Bombax malabaricum</i> DC.	Y	Y	Vartak (1964)	<i>Bombax ceiba</i> L. (accepted name)
497	12539	532		<i>Ceiba pentandra</i> (L.) Gaertn.	Y	Y	Vartak (1959b, 1964), Ghate (1987), Wagh (1996), Mahajan (2006)	<i>Eriodendron anfractuosum</i> DC. (synonym, illegitimate). Behind Geology department
498				<i>Corchorus trilocularis</i> L.	N	Y		
499		545		<i>Dombeya acutangula</i> Cav.	Y	N		
500		405		<i>Gossypium arboreum</i> L.	Y	Y		At staff quarters
501				<i>Grewia hirsuta</i> Vahl	N	Y		
502	8428			<i>Grewia tiliifolia</i> Vahl	Y	Y	Vartak (1964)	At FCBG
503				<i>Guazuma ulmifolia</i> Lam.	N	Y		At FCBG
504	5046	561	479	<i>Helicteres isora</i> L.	Y	N		
505	7983	408, 409		<i>Hibiscus cannabinus</i> L.	Y	N		
506	9846			<i>Hibiscus esculentus</i> L.	Y	N		<i>Abelmoschus esculentus</i> (L.) Moench (accepted name)
507	24	425		<i>Hibiscus rosa-sinensis</i> L.	Y	Y		
508				<i>Hibiscus sabdariffa</i> L.	N	Y		Around boys hostel
509	4593	427		<i>Hibiscus schizopetalus</i> (Dyer) Hook. f.	Y	Y		
510	10218	570	448	<i>Kleinhovia hospita</i> L.	Y	Y	Vartak (1964), Ghate (1987)	One at FCBG Died in 2012
511	9663			<i>Malvastrum tricuspidatum</i> A. Gray	Y	Y	Vartak (1959b)	<i>Malvastrum coromandelianum</i> (L.) Garcke (accepted name)
512	8524			<i>Malvastrum arboreum</i> Cav.	Y	Y		
513				<i>Pterospermum acerifolium</i> (L.) Willd.	Y	Y	Vartak (1960, 1964)	One small specimen at FCBG
514				<i>Pterygota alata</i> (Roxb.) R. Br.	N	Y		Huge specimen at FCBG misidentified as <i>S.guttata</i> .
515	9880			<i>Sida cordifolia</i> L.	Y	N		
516				<i>Sida mysorensis</i> Wight & Arn.	N	Y		Around IMDR
517	142			<i>Sida rhombifolia</i> L.	Y	N		
518				<i>Sida spinosa</i> L.	N	Y		
519	15556, 12555	580, 581		<i>Sterculia foetida</i> L.	Y	Y	Vartak (1964), Mahajan (2006), Ghate (1987)	Behind Maths department

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520	9433, 227	582	438	<i>Sterculia guttata</i> Roxb.	Y	N	Vartak (1964, 1981), Ingalhalikar & Barve (2010)	Unresolved name. Heritage specimen mentioned by Ingalhalikar & Barve (2010) is <i>P. alata</i> which died in December 2014 due to insect pests
521	10321	499		<i>Thespesia populnea</i> (L.) Sol. ex Corrêa	Y	N	Vartak (1964)	
522		713		<i>Triumfetta pentandra</i> A. Rich.	Y	N	Vartak (1959f)	
523	2525			<i>Triumfetta rhomboidea</i> Jacq.	Y	Y		
				Martyniaceae				
524	147			<i>Martynia diandra</i> Gloxin	Y	Y		<i>Martynia annua</i> L. (accepted name)
				Meliaceae				
525				<i>Aphanamixis polystachya</i> (Wall.) R. Parker	Y	Y	Vartak (1964)	around Firodia Niketan
526		999		<i>Azadirachta indica</i> A. Juss.	Y	Y	Vartak (1964)	
527	3826	1017, 16941	685	<i>Cedrela toona</i> Roxb. ex Rottler	Y	Y	Vartak (1964), Ghate (1987), Wagh (1996)	<i>Toona ciliata</i> M. Roem. (accepted name). Rare, at FCBG
528				<i>Khaya senegalensis</i> (Desv.) A. Juss.	N	Y		Planted around boys hostel
529	384			<i>Melia azedarach</i> L.	Y	Y	Vartak (1964)	Behind maths department
531	8485	1011	692	<i>Swietenia mahagoni</i> (L.) Jacq.	Y	Y	Vartak (1964, 1981), Wagh (1996), Ghate (1987)	Specimens in front of Botany department planted in 1946 by Dr. P.S. Karekar (P.S. Karekar pers. comm. 2015)
530				<i>Swietenia macrophylla</i> King	N	Y		one tree around main building
				Menispermaceae				
532		21321		<i>Cocculus laurifolius</i> DC.	Y	N	Vartak (1959d, 1964)	
533	45			<i>Cocculus villosus</i> DC.	Y	Y		<i>Cocculus hirsutus</i> (L.) W. Theob. (accepted name)
534	352			<i>Tinospora cordifolia</i> (Willd.) Miers	Y	Y		<i>Tinospora sinensis</i> (Lour.) Merr. (accepted name)
				Menyanthaceae				
535	125			<i>Limnanthemum indicum</i> (L.) Griseb.	Y	N		<i>Nymphoides indica</i> (L.) Kuntze (accepted name)
				Molluginaceae				
536				<i>Mollugo pentaphylla</i> L.	N	Y		On hill
				Moraceae				
537				<i>Artocarpus heterophyllus</i> Lam.	Y	Y	Vartak (1959c)	
538				<i>Artocarpus integer</i> (Thunb.) Merr.	Y	N	Vartak (1964)	
540				<i>Broussonetia papyrifera</i> (L.) L'Hér. ex Vent.	N	Y		Spreading around third gate and geology department
539	212	7383		<i>Dorstenia indica</i> Wight	Y	Y	Nerlekar & Laware (2013)	Rare, around maths department. Species needs validation
541				<i>Ficus diversifolia</i> Blume	Y	N	Vartak (1964), Patwardhan & Gandhe (2000–01)	<i>Ficus deltoidea</i> Jack (accepted name)
542				<i>Ficus amplissima</i> Sm.	N	Y		Behind Maths department
543		1723		<i>Ficus benghalensis</i> L.	Y	Y	Vartak (1964, 1981)	Several well grown specimens at the hill-base
544				<i>Ficus benjamina</i> L.	N	Y		
545		7467		<i>Ficus elastica</i> Roxb. ex Hornem.	Y	Y	Vartak (1964), Ghate (1987), Wagh (1996)	
546				<i>Ficus maclellandii</i> King	N	Y		Around maths and botany departments
547				<i>Ficus mysorensis</i> B. Heyne ex Roth	Y	N	Vartak (1964)	<i>Ficus drupacea</i> Thunb. (accepted name)

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548				<i>Ficus natalensis</i> Hochst.	Y	N	Ingalhalikar & Barve (2010)	
549				<i>Ficus pumila</i> L.	Y	N	Wagh (1996)	
550				<i>Ficus racemosa</i> L.	N	Y		Surprisingly not recorded in the past
551				<i>Ficus religiosa</i> L.	Y	Y	Vartak (1964, 1981)	
552				<i>Ficus retusa</i> L.	Y	N	Vartak (1964)	
553				<i>Morus alba</i> L.	Y	Y	Vartak (1964)	
				Moringaceae				
554				<i>Moringa oleifera</i> Lam.	Y	Y	Vartak (1964)	
				Muntingiaceae				
555				<i>Muntingia calabura</i> L.	N	Y		
				Musaceae				
556				<i>Musa × paradisiaca</i> L.	N	Y		
				Myrtaceae				
557	9438			<i>Callistemon lanceolatus</i> (Sm.) Sweet	Y	Y	Vartak (1964), Mahajan (2006)	
558				<i>Eucalyptus globulus</i> Labill.	Y	Y	Vartak (1964)	one specimen on footpath (once inside FCBG)
559	11246			<i>Eucalyptus viminalis</i> Labill.	Y	N		
560	8483			<i>Eugenia</i> sp.	Y	N		
561	1510			<i>Myrtus communis</i> L.	Y	N		
562				<i>Psidium guajava</i> L.	Y	Y	Vartak (1964)	
563	9301			<i>Psidium guyanense</i> Pers.	Y	N		
564	3784	3064		<i>Syzygium cumini</i> (L.) Skeels	Y	Y		
565				<i>Syzygium heyneanum</i> (Duthie) Gamble	Y	Y	Vartak (1964)	<i>Syzygium salicifolium</i> (Wight) J. Graham (accepted name). One well grown specimen around Botany department, other at FCBG. Only specimen seen today in the city (S. Ingalhalikar pers. comm. 2015)
566		3075		<i>Syzygium jambos</i> (L.) Alston	Y	N	Ghate (1987)	
				Nephrolepidaceae				
567				<i>Nephrolepis</i> sp.	Y	N	Wagh (1996)	
				Nyctaginaceae				
568	3910	6587		<i>Boerhavia diffusa</i> L.	Y	Y		
569		6600		<i>Bougainvillea spectabilis</i> Willd.	Y	Y		
570				<i>Mirabilis jalapa</i> L.	N	Y		
				Nymphaeaceae				
571				<i>Nymphaea nouchali</i> Burm.f.	Y	Y	Wagh (1996)	
				Oleaceae				
572				<i>Jasminum auriculatum</i> Vahl	N	Y		
573				<i>Jasminum azoricum</i> L.	N	Y		
574				<i>Jasminum dichotomum</i> Vahl	N	Y		
575				<i>Jasminum laurifolium</i> var. <i>laurifolium</i> Roxb. ex Hornem.	N	Y		
576		4587		<i>Jasminum multiflorum</i> (Burm.f.) Andrews	Y	N		
577		4575		<i>Jasminum officinale</i> L.	Y	Y		
578	114	4593		<i>Jasminum sambac</i> (L.) Aiton	Y	Y		
579	115	4606		<i>Nyctanthes arbor-tristis</i> L.	Y	Y	Vartak (1964)	

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
580		4612, 4613		<i>Olea dioica</i> Roxb.	Y	N	Vartak (1964), Ingalhalikar & Barve (2010), Patwardhan & Gandhe (2000–01)	
				Onagraceae				
581				<i>Ludwigia perennis</i> L.	N	Y		On hill
				Orchidaceae				
582	214			<i>Dendrobium</i> sp.	Y	N		
583				<i>Epidendrum radicans</i> Pav. ex Lindl.	N	Y		Cultivated around Firodia Niketan
584	7977	25568		<i>Eulophia pratensis</i> Lindl.	Y	N		
				Orobanchaceae				
585	7162	5471		<i>Buchnera hispida</i> Buch.-Ham. ex D. Don	Y	Y		on hill
586	11226	5605		<i>Sopubia delphinifolia</i> G. Don	Y	Y		Unresolved name, on hill
587	10264			<i>Striga gesnerioides</i> (Willd.) Vatke	Y	Y		On hill
				Oxalidaceae				
588				<i>Averrhoa bilimbi</i> L.	Y	N	Vartak (1964)	
589				<i>Averrhoa carambola</i> L.	Y	N	Wagh (1996)	Was present at FCBG
590	29			<i>Biophytum sensitivum</i> (L.) DC.	Y	N	Vartak (1959c)	
591		811		<i>Oxalis comberi</i> R. Knuth	Y	N		<i>Oxalis nahuelhuapiensis</i> Speg. (accepted name)
592				<i>Oxalis corniculata</i> L.	N	Y		Surprisingly not recorded in the past
593		815		<i>Oxalis latifolia</i> Kunth	Y	Y		Around IMDR
				Pandanaceae				
594				<i>Pandanus tectorius</i> Parkinson ex Du Roi	Y	Y	Vartak (1964)	Around Firodia Niketan
				Papaveraceae				
595	68			<i>Argemone mexicana</i> L.	Y	Y		At waste places
596		171		<i>Fumaria indica</i> (Hauskn.) Pugsley	Y	N		
597		170		<i>Papaver somniferum</i> L.	Y	N		
				Passifloraceae				
598		3257		<i>Passiflora edulis</i> Sims	Y	N		
599		3259		<i>Passiflora foetida</i> L.	Y	Y		On hill, tennis court fence
				Pedaliaceae				
600	6294	5811		<i>Sesamum indicum</i> L.	Y	Y		On hill
				Phyllanthaceae				
601	9871			<i>Bridelia squamosa</i> (Lam.) Gehrm.	Y	Y	Vartak (1964)	<i>Bridelia retusa</i> (L.) A. Juss. (accepted name). Specimen at FCBG probably dead
602				<i>Cicca acida</i> (L.) Merr.	Y	Y	Vartak (1964)	<i>Phyllanthus acidus</i> (L.) Skeels (accepted name)
603	7980			<i>Emblia officinalis</i> Gaertn.	Y	Y	Vartak (1964)	<i>Phyllanthus emblica</i> L. (accepted name)
604				<i>Flueggea leucopyrus</i> Willd.	N	Y		on hill
605				<i>Phyllanthus niruri</i> L.	N	Y		
606				<i>Phyllanthus reticulatus</i> Poir.	N	Y		Seen on hill and around IMDR
607				<i>Rivina humilis</i> L.	N	Y		
608		6853		<i>Peperomia pellucida</i> (L.) Kunth	Y	Y		
609	11227			<i>Angelonia</i> sp.	Y	N		
610	9651	5449		<i>Antirrhinum majus</i> L.	Y	N		

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611	10260, 145			<i>Kickxia ramosissima</i> (Wall.) Janch.	Y	Y		<i>Nanorrhinum ramosissimum</i> (Wall.) Betsche (accepted name), <i>Linaria ramosissima</i> Wall. (synonym). On hill
612	9416	5589		<i>Russelia juncea</i> Zucc.	Y	N		<i>Russelia equisetiformis</i> Schltldl. & Cham. (accepted name)
613	143	5596		<i>Scoparia dulcis</i> L.	Y	Y		On hill and around main building
				Plumbaginaceae				
614		4494		<i>Plumbago auriculata</i> Lam.	Y	Y		Around maths department
615				<i>Plumbago zeylanica</i> L.	N	Y		Around maths department
				Poaceae				
616				<i>Alloteropsis cimicina</i> (L.) Stapf	N	Y		On hill
617	7103	20003		<i>Amphilophis pertusa</i> (L.) Stapf	Y	Y		<i>Bothriochloa pertusa</i> (L.) A. Camus (accepted name), <i>Dichanthium pertusum</i> (L.) Clayton (synonym).
618	7065			<i>Andropogon pumilus</i> Roxb.	Y	N		
619	7082			<i>Apluda aristata</i> L.	Y	Y		<i>Apluda mutica</i> L. (accepted name). Abundant on hill
620	7108			<i>Aristida funiculata</i> Trin. & Rupr.	Y	Y		Common on rocky denuded slopes on hill
621	7095			<i>Aristida hystrix</i> L.f.	Y	N		
622				<i>Aristida redacta</i> Stapf	N	Y		On hill
623	5746			<i>Aristida setacea</i> Retz.	Y	Y		On hill
624		10870		<i>Arthraxon echinatus</i> (Nees) Hochst.	Y	N		
625		10898		<i>Arthraxon lancifolius</i> (Trin.) Hochst.	Y	N		
626	7075	10923		<i>Arthraxon prionodes</i> (Steud.) Dandy	Y	Y		<i>Arthraxon serrulatus</i> Hochst. (synonym). On hill
627				<i>Arundinella ciliata</i> (Roxb.) Nees ex Miq.	N	Y		Rare
628		11048		<i>Avena sativa</i> L.	Y	N		
629				<i>Axonopus compressus</i> (Sw.) P. Beauv.	N	Y		Cultivated lawn grass
630				<i>Bambusa bambos</i> (L.) Voss	N	Y		
631				<i>Bambusa multiplex</i> (Lour.) Raeusch. ex Schult.	N	Y		Cultivated ornamental around maths department
632				<i>Bambusa vulgaris</i> Schrad.	N	Y		At central garden
633				<i>Brachiaria eruciformis</i> (Sm.) Griseb.	N	Y		<i>Moorochloa eruciformis</i> (Sm.) Veldkamp (synonym). Rare, seen around Life Sciences building
634				<i>Chloris barbata</i> Sw.	N	Y		Common
635		11091		<i>Chloris gayana</i> Kunth	Y	N		
636	5381			<i>Chloris virgata</i> Sw.	Y	Y		
637	5395, 5396			<i>Chrysopogon montanus</i> Trin.	Y	Y		<i>Chrysopogon fulvus</i> (Spreng.) Chiov. (accepted name). On hill
638				<i>Chrysopogon zizanioides</i> (L.) Roberty	N	Y		<i>Vetiveria zizanioides</i> (L.) Nash (synonym). On hill
639				<i>Cymbopogon citratus</i> (DC.) Stapf	N	Y		Cultivated at staff quarters
640				<i>Cymbopogon martini</i> (Roxb.) W. Watson	N	Y		On hill
641	7924	11127		<i>Cynodon dactylon</i> (L.) Pers.	Y	Y		Common
642	5308	11131		<i>Dactyloctenium aegyptium</i> (L.) Willd.	Y	Y		Common
643				<i>Dendrocalamus giganteus</i> Munro	Y	Y	Vartak (1964, 1981), Ingalhalikar & Barve (2010)	Only seen at FCBG
644				<i>Dendrocalamus strictus</i> (Roxb.) Nees	N	Y		

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645				<i>Dichanthium annulatum</i> (Forssk.) Stapf	N	Y		Seen on open areas and hill
646	7084	11147		<i>Dichanthium caricosum</i> (L.) A. Camus	Y	N		
647	5323	111158		<i>Digitaria marginata</i> Link	Y	Y		<i>Digitaria ciliaris</i> (Retz.) Koeler (accepted name), <i>Digitaria adscendens</i> (Kunth) Henrard (synonym)
648				<i>Digitaria radicata</i> (J. Presl) Miq.	N	Y		
649		19752		<i>Dinebra retroflexa</i> (Vahl) Panz.	Y	Y		Seen at FCBG
650	5343			<i>Echinochloa colona</i> (L.) Link	Y	Y		Seen around maths department, hill
651				<i>Eleusine indica</i> (L.) Gaertn.	N	Y		Abundant
652	7092	11198		<i>Elionurus royleanus</i> Nees ex A. Rich.	Y	N	Vartak (1959e)	
653				<i>Eragrostis atrovirens</i> (Desf.) Trin. ex Steud.	N	Y		
654	7088			<i>Eragrostis ciliaris</i> (L.) R.Br.	Y	Y		Rare, seen on hill
655				<i>Eragrostis japonica</i> (Thunb.) Trin.	N	Y		
656				<i>Eragrostis minor</i> Host	N	Y		
657				<i>Eragrostis nutans</i> (Retz.) Nees ex Steud.	N	Y		
658		11212		<i>Eragrostis pilosa</i> (L.) P. Beauv.	Y	N		
659		11214		<i>Eragrostis superba</i> Peyr.	Y	N		
660				<i>Eragrostis tenuifolia</i> (A. Rich.) Hochst. ex Steud.	N	Y		<i>Eragrostis patula</i> (Kunth) Steud. (accepted name). Seen around Wadia Library
661	7168			<i>Eragrostis uniolooides</i> (Retz.) Nees ex Steud.	Y	N		
662	5378			<i>Gracilea royleana</i> Hook. f.	Y	Y		<i>Melanocenchris jacquemontii</i> Jaub. & Spach (accepted name). On hill
663				<i>Hackelochloa granularis</i> (L.) Kuntze	N	Y		<i>Mnesithea granularis</i> (L.) de Koning & Sosef (synonym). Uncommon on hill
664	7113			<i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult.	Y	Y		On hill
665	5350, 5351			<i>Iseilema antheophoroides</i> Hack.	Y	Y		On hill
666	7117			<i>Lophopogon tridentatus</i> (Roxb.) Hack.	Y	Y		On hill
667				<i>Microchloa indica</i> (L.f.) P. Beauv.	Y	Y	Vartak (1959e)	On hill
668	5312			<i>Nazia racemosa</i> (L.) Kuntze	Y	N		<i>Tragus racemosus</i> (L.) All. (accepted name)
669				<i>Oplismenus burmanni</i> (Retz.) P. Beauv.	N	Y		In shady areas
670	7071	11359		<i>Panicum sumatrense</i> Roth	Y	N		
671	5390			<i>Paspalidium flavidum</i> (Retz.) A. Camus	Y	N		
672	4748, 4749			<i>Pennisetum alopecuroides</i> J. Jacq.	Y	N		<i>Setaria macrostachya</i> Kunth (accepted name)
673				<i>Pennisetum pedicellatum</i> Trin.	N	Y		
674				<i>Pennisetum purpureum</i> Schumach.	N	Y		On hill
675				<i>Pogonatherum crinitum</i> (Thunb.) Kunth	N	Y		Rare
676				<i>Sehima nervosum</i> (Rottler) Stapf	N	Y		On hill
677	5369			<i>Setaria glauca</i> (L.) P. Beauv.	Y	Y		<i>Pennisetum glaucum</i> (L.) R. Br. (accepted name), <i>Setaria pumila</i> (Poir.) Roem. & Schult. (considered as synonym)
678				<i>Setaria verticillata</i> (L.) P. Beauv.	N	Y		
679				<i>Sorghum bicolor</i> (L.) Moench	N	Y		Cultivated on hill

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
680				<i>Sorghum controversum</i> (Steud.) Snowden	N	Y		On hill
681				<i>Sporobolus tenuissimus</i> (Schrank.) Kuntze	N	Y		
682				<i>Tetrapogon tenellus</i> (Roxb.) Chiov.	N	Y		Ocassional on hill
683	7061			<i>Themeda quadrivalvis</i> (L.) Kuntze	Y	Y		On hill
684				<i>Tripogon jacquemontii</i> Stapf	N	Y		On hill
685				<i>Urochloa ramosa</i> (L.) T.Q. Nguyen	N	Y		<i>Brachiaria ramosa</i> (L.) Stapf (accepted name)
686				<i>Zea mays</i> L.	N	Y		Cultivated on hill
				Polygalaceae				
687	10			<i>Polygala chinensis</i> L.	Y	Y		
688	11			<i>Polygala persicariaefolia</i> sensu Eyles non DC.	Y	Y		<i>Polygala sphenoptera</i> Fresen. (accepted name)
				Polygonaceae				
689		6758		<i>Antigonon leptopus</i> Hook. & Arn.	Y	Y		
690		6760		<i>Coccoloba uvifera</i> (L.) L.	Y	N	Vartak (1964, 1981), Patwardhan & Gandhe (2000–01)	
691	195	6761		<i>Muehlenbeckia platyclada</i> (F.J. Müll.) Meisn.	Y	N		<i>Homalocladium platycladum</i> (F. Muell.) L.H. Bailey (unresolved name)
692		6816		<i>Rumex vesicarius</i> L.	Y	N		
				Polypodiaceae				
693	8515			<i>Pleopeltis phymatodes</i> (L.) T. Moore	Y	N		<i>Phymatosorus scolopendria</i> (Burm. f.) Pich. Ser. (accepted name)
				Pontederiaceae				
694	9726			<i>Eichhornia crassipes</i> (Mart.) Solms	Y	Y	Wagh (1996)	Cultivated around Botany department
				Portulacaceae				
695				<i>Portulaca grandiflora</i> Hook.	N	Y		
696				<i>Portulaca oleracea</i> L.	N	Y		
				Proteaceae				
697				<i>Grevillea robusta</i> A. Cunn. ex R. Br.	Y	Y	Vartak (1964)	
				Psilotaceae				
698				<i>Psilotum</i> sp.	Y	Y	Vartak (1958a, 1981), Wagh (1996)	Cultivated around Botany department
				Pteridaceae				
699				<i>Actiniopteris dichotoma</i> Mett.	Y	N	Vartak (1959c)	
700				<i>Adiantum</i> sp.	Y	Y	Wagh (1996)	Around IMDR and Kimaya
701				<i>Pteris vittata</i> L.	Y	Y	Bomble & Laware (2010)	Cultivated for experimental purpose, seen on buildings
				Putranjivaceae				
702	838	7292		<i>Putranjiva roxburghii</i> Wall.	Y	Y	Vartak (1964, 1981)	Some specimens at FCBG
				Ranunculaceae				
703	18			<i>Delphinium ajacis</i> L.	Y	N		<i>Consolida ajacis</i> (L.) Schur (accepted name)
704				<i>Naravelia zeylanica</i> (L.) DC.	Y	N	Wagh (1996)	
				Rhamnaceae				
705	5039			<i>Ziziphus jujuba</i> Mill.	Y	Y	Vartak (1964)	
706	9843			<i>Ziziphus oenopolia</i> (L.) Mill.	Y	Y		Seen at open, waste places

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
707		1116		<i>Ziziphus rugosa</i> Lam.	Y	N		
708				<i>Ziziphus xylopyrus</i> (Retz.) Willd.	Y	Y	Vartak (1964)	
				Rosaceae				
709	9450	2917		<i>Eriobotrya japonica</i> (Thunb.) Lindl.	Y	N	Vartak (1964)	
710				<i>Rosa</i> sp.	N	Y		
				Rubiaceae				
711	7180			<i>Borreria stricta</i> G.Mey.	Y	Y		<i>Spermacoce verticillata</i> L. (accepted name)
712	5337	3563, 3564		<i>Catesbaea spinosa</i> L.	Y	N		
713	8407	3565, 3566		<i>Coffea arabica</i> L.	Y	N	Vartak (1964)	
714	9341	3578, 3679		<i>Gardenia latifolia</i> Aiton	Y	Y	Vartak (1960, 1964), Patwardhan & Gandhe (2000–01), Ingalhalikar & Barve (2010)	Rare, only seen at FCBG
715	8321	3580, 3581		<i>Gardenia lucida</i> Roxb.	Y	Y	Vartak (1964)	<i>Gardenia resinifera</i> Roth (accepted name). Seen around maths department
716	8303			<i>Hamelia patens</i> Jacq.	Y	Y	Vartak (1964), Wagh (1996)	
717	1500			<i>Hamiltonia suaveolens</i> (Roxb.) Roxb.	Y	N		<i>Spermadictyon suaveolens</i> Roxb. (accepted name)
718		3604		<i>Ixora arborea</i> Roxb. ex Sm.	Y	Y	Vartak (1964)	<i>Ixora paveta</i> Andr. (accepted name)
719		3614		<i>Ixora lanceolaria</i> Colebr.	Y	N		
720	8411			<i>Ixora parviflora</i> Lam.	Y	Y		Rare, at FCBG
721				<i>Ixora coccinea</i> L.	N	Y		
722	14111	3630		<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Y	Y	Vartak (1964)	Rare, seen around maths department
723	3925	3649		<i>Morinda citrifolia</i> L.	Y	Y	Vartak (1964)	<i>M. tinctoria</i> Noronha (invalid synonym), <i>M. tomentosa</i> B. Heyne ex Roth (synonym)
724				<i>Mussaenda erythrophylla</i> Schumach. & Thonn.	N	Y		
725				<i>Neolamarckia cadamba</i> (Roxb.) Bosser	N	Y		Planted at central garden
726		3671		<i>Oldenlandia aspera</i> (B. Heyne ex Roth) DC.	Y	N		<i>Kohautia aspera</i> (B. Heyne ex Roth) Bremek. (accepted name)
727	9873			<i>Oldenlandia corymbosa</i> L.	Y	Y		
728				<i>Pentas lanceolata</i> (Forssk.) Deflers	N	Y		Cultivated around Firodia Niketan
729	3929	14044		<i>Randia brandisii</i> Gamble	Y	N	Vartak (1964)	<i>Catunaregam spinosa</i> (Thunb.) Tirveng (accepted name)
730				<i>Randia uliginosa</i> (Retz.) Poir.	Y	N	Vartak (1964)	<i>Tamilnadia uliginosa</i> (Retz.) Tirveng. & Sastre (accepted name)
731	1556	3758		<i>Rondeletia odorata</i> Jacq.	Y	N	Vartak (1960)	
732	1529			<i>Rubia cordifolia</i> L.	Y	N		
733		3774, 3775		<i>Serissa foetida</i> (L.f.) Lam.	Y	N		<i>Serissa japonica</i> (Thunb.) Thunb. (accepted name)
				Rutaceae				
734	9331	16125		<i>Aegle marmelos</i> (L.) Corrêa	Y	Y	Vartak (1964), Ghatge (1987)	around botany, maths departments, main parking and planted on hill
735		945		<i>Chloroxylon swietenia</i> DC.	Y	N	Vartak (1964), Ghatge (1987)	
736				<i>Citrus aurantiifolia</i> (Christm.) Swingle	N	Y		
737				<i>Citrus medica</i> L.	Y	N	Vartak (1964)	
738				<i>Citrus sinensis</i> (L.) Osbeck	Y	N	Vartak (1964)	
739	8434			<i>Feronia limonia</i> (L.) Swingle	Y	Y	Vartak (1964)	Unresolved name (<i>F. elephantum</i> Corrêa is also unresolved)

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
740				<i>Murraya koenigii</i> (L.) Spreng.	Y	Y	Vartak (1964)	
741	9421	958		<i>Murraya paniculata</i> (L.) Jack	Y	Y		<i>Murraya exotica</i> L. (synonym). Around Botany department
742	10257	960	604	<i>Ruta graveolens</i> L.	Y	N		
743	5334, 9319	962		<i>Triphasia trifolia</i> (Burm. f.) P. Wilson	Y	N		<i>Triphasia aurantiola</i> Lour. (synonym)
				Salviniaceae				
744				<i>Azolla</i> sp.	Y	N	Wagh (1996)	
745				<i>Salvinia cucullata</i> Roxb.	Y	N	Deshpande (1938), Vartak (1958a), Wagh (1996)	Unresolved name
				Santalaceae				
746	8432			<i>Osyris wightiana</i> Wall. ex Wight	Y	N		<i>Osyris lanceolata</i> Hochst. & Steud. (accepted name)
747	10268	6997		<i>Santalum album</i> L.	Y	Y	Vartak (1964)	A few mature specimens around Amphitheatre
				Sapindaceae				
748	4446			<i>Cardiospermum halicacabum</i> L.	Y	N		
749	9308			<i>Dodonaea viscosa</i> Jacq.	Y	Y	Vartak (1964)	Seen rarely on the hill
750	–			<i>Filicium decipiens</i> (Wight & Arn.) Thwaites	Y	Y	Vartak (1964)	Rare, around Maths department. Tree at FCBG dead
751				<i>Litchi chinensis</i> Sonn.	Y	N	Vartak (1964, 1981)	
752		19192		<i>Sapindus emarginatus</i> Vahl	Y	Y	Vartak (1964), Ingalhalikar & Barve (2010)	Rare, only seen next to Photography department
753	40	1298		<i>Sapindus laurifolius</i> Balb. ex DC.	Y	Y	Mahajan (2010)	Unresolved name
754	9408			<i>Schleichera oleosa</i> (Lour.) Merr.	Y	Y	Vartak (1964), Ingalhalikar & Barve (2010)	Rare, only seen at FCBG
				Sapotaceae				
755		4539		<i>Achras sapota</i> L.	Y	Y	Vartak (1959c, 1964)	<i>Manilkara zapota</i> (L.) P. Royen (accepted name)
756	8514	4541		<i>Chrysophyllum cainito</i> L.	Y	Y	Vartak (1964), Ghate (1987)	Rare, only seen planted on hill
757				<i>Madhuca indica</i> J.F. Gmel.	Y	Y	Vartak (1964, 1981)	<i>Madhuca longifolia</i> var. <i>latifolia</i> (Roxb.) A. Chev. (accepted name). Rare, one well grown specimen on footpath (once inside FCBG)
758				<i>Madhuca longifolia</i> (J. Koenig ex L.) J.F. Macbr.	N	Y		Near Kimaya and planted on hill
759		4547		<i>Manilkara hexandra</i> (Roxb.) Dubard	Y	Y	Vartak (1964), Ghate (1987)	<i>Mimusops hexandra</i> Roxb. (synonym). Couple of specimens at FCBG
760	8443	14384		<i>Mimusops elengi</i> L.	Y	Y	Vartak (1964)	
				Scrophulariaceae				
761	2363			<i>Bonnaya bracteata</i> Griff.	Y	N		<i>Lindernia antipoda</i> (L.) Alston (accepted name)
762				<i>Stemodia verticillata</i> (Mill.) Hassl.	N	Y		Rare, around maths department
763	7913	5690		<i>Verbascum coromandelianum</i> (Vahl) Kuntze	Y	Y		<i>Verbascum chinense</i> (L.) Santapau (accepted name)
				Selaginellaceae				
764				<i>Selaginella</i> sp.	Y	N	Vartak (1981), Wagh (1996)	
				Simaroubaceae				
765				<i>Ailanthus excelsa</i> Roxb.	Y	Y	Vartak (1959c, 1964)	one huge specimen at FCBG
766				<i>Simarouba amara</i> Aubl.	N	Y		Rare, only seen around Maths department

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
				Smilacaceae				
767		8091		<i>Smilax zeylanica</i> L.	Y	N		
				Solanaceae				
768				<i>Capsicum annuum</i> L.	Y	Y	Deore et al. (2010)	
769	140b			<i>Cestrum nocturnum</i> L.	Y	Y		
770				<i>Datura innoxia</i> Mill.	Y	N	Vartak (1957)	
771	4467			<i>Datura metel</i> L.	Y	Y		
772		5340		<i>Datura quercifolia</i> Kunth	Y	N		
773	10318			<i>Nicandra physalodes</i> (L.) Gaertn.	Y	N		
774		5355		<i>Nicotiana tabacum</i> L.	Y	N		
775				<i>Nicotiana plumbaginifolia</i> Viv.	N	Y		Abundant
776		5360		<i>Petunia nyctaginiflora</i> Juss.	Y	Y		
777	140	5365		<i>Physalis minima</i> L.	Y	N		
778				<i>Solanum lycopersicum</i> L.	N	Y		
779				<i>Solanum melongena</i> L.	N	Y		
780	10211	5399		<i>Solanum nigrum</i> L.	Y	Y		<i>Solanum americanum</i> Mill. (accepted name)
781		5405		<i>Solanum seforthianum</i> Andrews	Y	Y		Rare, cultivated on hill
782	22	5409		<i>Solanum torvum</i> Sw.	Y	N		
783		19482		<i>Solanum virginianum</i> L.	Y	N		
				Ulmaceae				
784				<i>Holoptelea integrifolia</i> Planch.	Y	Y	Vartak (1964)	Unresolved name
				Urticaceae				
785		7359		<i>Boehmeria nivea</i> (L.) Gaudich.	Y	Y	Vartak (1959c)	
786				<i>Pilea cadierei</i> Gagnep. & Guillaumin	N	Y		
787	210			<i>Pilea macrophylla</i> Rusby	Y	N		<i>Pilea picta</i> Herzog (accepted name)
788	207			<i>Pilea microphylla</i> (L.) Liebm.	Y	Y		
789	213	7340		<i>Trema orientalis</i> (L.) Blume	Y	Y	Vartak (1964)	
				Verbenaceae				
790		6218		<i>Citharexylum subserratum</i> Sw.	Y	N	Vartak (1964, 1981), Ghate (1987)	<i>Citharexylum spinosum</i> L. (accepted name)
791	3993	6241		<i>Duranta plumieri</i> Jacq.	Y	Y	Vartak (1964)	<i>Duranta erecta</i> L. (accepted name)
792				<i>Lantana camara</i> L.	N	Y		Abundant
793				<i>Lantana montevidensis</i> (Spreng.) Briq.	N	Y		
794	173	6269		<i>Petrea volubilis</i> L.	Y	Y		Present at FCBG
795	9465	6271		<i>Stachytarpheta indica</i> (L.) Vahl	Y	N		
796				<i>Verbena hybrida</i> Groenl. & Rumphel	N	Y		Planted at Law College
797	9423	6280		<i>Verbena venosa</i> Gillies & Hook.	Y	N		<i>Verbena rigida</i> Spreng. (accepted name)
				Vitaceae				
798	10270	1184		<i>Cissus quadrangularis</i> L.	Y	Y		<i>Vitis quadrangularis</i> (L.) Wall. ex Wight (synonym), at FCBG
799		1199		<i>Cissus rotundifolia</i> Vahl	Y	N		
800				<i>Leea coccinea</i> Planch.	N	Y		Around Maths department
801	477			<i>Leea sambucina</i> Benth.	Y	N		Unresolved name
802	462			<i>Vitis discolor</i> (Blume) Dalzell	Y	N		<i>Cissu sjavana</i> DC. (accepted name)

	FC no.	AHMA no.	HPU no.	Family / Scientific name	Past	Present	References	Remarks
803	5318			<i>Vitis setosa</i> (Roxb.) Wall. ex Wight	Y	N		Unresolved name. <i>Cyphastemma setosum</i> (Roxb.) Alston (accepted name)
804	9447			<i>Vitis vinifera</i> L.	Y	N		
				Xanthorrhoeaceae				
805				<i>Aloe vera</i> (L.) Burm. f.	N	Y		
806				<i>Dianella tasmanica</i> Hook. f.	N	Y		
				Zamiaceae				
807				<i>Encephalartos</i> sp.	Y	N	Vartak (1958a, 1964, 1981), Mahabale (1987), Wagh (1996), Patwardhan & Gandhe (2000–01), Mahajan (2006)	Was only seen at FCBG
				Zingiberaceae				
808		25725		<i>Alpinia speciosa</i> (Blume) D. Dietr.	Y	N		<i>Etingera elatior</i> (Jack) R.M. Sm. (accepted name)
809	3990	7767		<i>Alpinia vittata</i> W.Bull	Y	N		
810		25726		<i>Costus speciosus</i> (J.Koenig) Sm.	Y	N		<i>Cheilocostus speciosus</i> (J. Koenig) C.D. Specht (accepted name)
811		7792		<i>Hedychium coronarium</i> J.Koenig	Y	Y		
				Zygophyllaceae				
812	26			<i>Tribulus terrestris</i> L.	Y	N		

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