

**CAMPUS FLORA OF M.S.P. ARTS, SCIENCE & K.P.T. COMMERCE COLLEGE MANORA
DIST. WASHIM (M.S.) INDIA**

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Abstract:

A survey was conducted during 1 July, 2022 to 31 January, 2024 for the documentation of plant diversity in campus of M.S.P. Arts Science & K.P.T. Commerce College Manora Dist. Washim (M.S.) India. In the present study the survey reveals about 212 plant species belonging to 164 genera and 53 families of Spermatophytes. Among them, Angiosperms are representing 50 families, 161 genera and with 90% i.e. 209 species. Among Angiosperms dicotyledons are representing 40 families, 135 genera and 178 species. Gymnosperms representing 3 families with single genus and each single species. An analysis of the habit composition of plant species of the study area, herbs are predominant with 95 species followed by tree with 50 species, shrubs with 42 species, climbers with 16 species and Creepers with 9 species. Fabaceae family is the top most, comprises 21 genera and 28 species, followed by Asteraceae (15 genera 15 species) & Euphorbiaceae (5 genera and 15 species), Poaceae (9 genera and 12 Sp.) Apocynaceae (9 genera and 10 species). Other dominant families are Rubiaceae, Moraceae, Rutaceae, Convolvulaceae, Acanthaceae, Amaranthaceae, Lamiaceae contributing 5-8 species in each family.

Keywords: Herbarium, Survey, Campus, Plant diversity, angiosperms, Manora.

Introduction:

India is one of the 12 “mega-diversity” countries in the world and this country has a forest area of 23.81% of the country’s geographical area. Mankind has been utilizing plants for food and medicinal purpose since the time immemorial. Therefore, it is essential to consider a variety of plant-related factors related to health, economic value, sustainable usefulness, conservation, floral assessment, and documentation.

India is a rich center of plants diversity. Plant distribution is influenced by genetic composition as well as a range of environmental conditions, including water content, temperature, and other edaphic factors (Curtis and Cottom, 1956; Phillips, 1959; Misra, 1968). Plant diversity is the most important feature, which plays a vital role in complexity of natural ecosystems. The present paper is an attempt to know the distribution of plant diversity on campus of M.S.P. Arts Science & K.P.T. Commerce College Manora, covering more than Five acres of open area in addition to Botanical Garden, teaching and administrative blocks. The present research has been carried out in M.S.P. Arts, Science & K.P.T. Commerce College Manora Dist. Washim M.S.(India) to explore the diversity of plants and for sustainable utilization of available plant resources. In an age where plants and their products are being collected indiscriminately, our findings will open the door to sustainable development. Besides this, results will give a bird’s eye view on existing plant diversity in and around Manora tehsil area especially on spermatophytes.

Material & Method:

The field study was carried out during 1 July 2022 to 31 January, 2024 in the campus of M.S.P. Arts,

Science & K.P.T. Commerce College Manora Dist. Washim M.S. (India). Plants were gathered to create a herbarium, and research was conducted across the study area. The entire herbaceous vegetation was removed during excavation, but only the delicate twigs that bore flowers and fruits were removed from shrubs and trees. The dried specimens were pasted on the herbarium sheets (Jain and Rao, 1977). By treating the herbarium sheets with 1% mercuric chloride poisoning, the sheets were protected from fungal and insect pathogen damage. After field survey and herbarium preparation, all plants were identified by botanical name and family with the help of available literature. The collected plants materials have been deposited in the herbarium of dept. of Botany, M.S.P. Arts, Science & K.P.T. Commerce College Manora. Methodology was covered in two phases as follows. 1. Field survey-The survey was conducted to collect information about the plant species like their identification and documentation in the form of Botanical name and family. The whole campus was visited many times for the collection of plants. 2. Literature collection-The identification was also done based on literature study (Hooker, 1875, Singh 2000 & 2001, Naik 1998).

Result and Discussion:

In the present study, the flora of M.S.P. Arts Science & K.P.T. Commerce College Manora, Campus comprises of about 212 plant species belonging to 164 genera and 53 families were identified (Table 1) The Plant diversity is the functional and structural unit of the biotic components of ecosystem and is subjected to change due to the interaction of biotic and abiotic factors of the environment. On the basis of field

survey of campus plants, 212 species showed their presence in the campus which were collected, identified and listed as shown in Table-1.

About 45% of the habit's distribution are herbs, which comprise 95 species. Trees and shrubs follow with 24% and 20% of the habit, respectively, with 50 species and 20 species each, climbers 7 % with 16 species, and creepers 4 % with 9 species respectively (Table 2) Out of these plant species 95 species were of herbs, 50 were

Trees and 42 were of shrubs. Amongst the families Fabaceae (with its subfamilies) was reported as the dominant family having 28 Species (13.20 %). Fabaceae was the dominant family represented by about 13.20 % with 28 species followed by Asteraceae (7% with 15 species) & Euphorbiaceae (7% with 15 Sp.) another Main contributing families were Poaceae (5% with 12 Sp.), Apocynaceae (4.71% with 10 Sp.). Moraceae (3.77% with 8 Sp.), Rubiaceae (3.30% with 7 Sp.).

Table 1: List of Plant species with family present in M.S.P. Arts Science and K.P.T. Commerce College, Manora

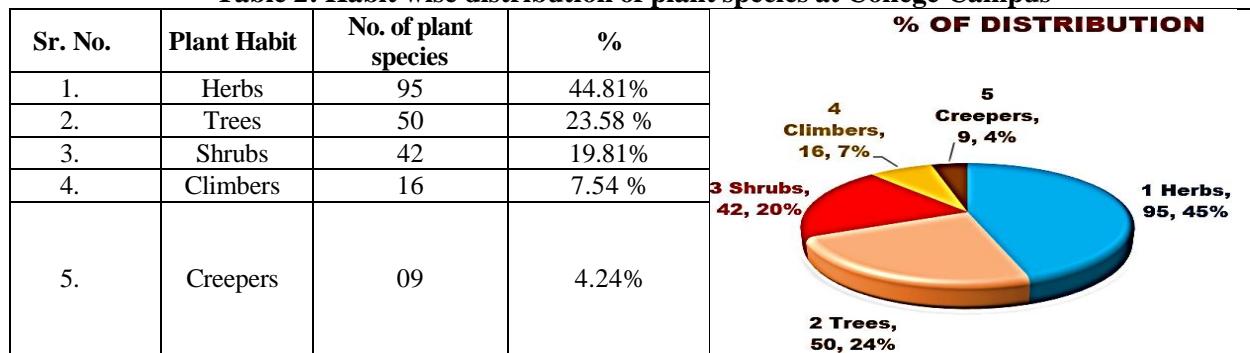
Family	Genus	Botanical name	Common name	Habit	S.N.
Acanthaceae	<i>Barleria</i>	<i>Barleria cristata</i>	Danti	H	1
		<i>Barleria prionitis</i>	Katekoranti	H	2
	<i>Andrographis</i>	<i>Andrographis paniculata</i>	Bhuineem	H	3
	<i>Justicia</i>	<i>Justicia vasica</i> L.	Adulasa	S	4
		<i>Justicia procumbens</i>	Pittapada	H	5
		<i>Justicia pectinata</i> L.	Mashi, Sut	H	6
Amaranthaceae	<i>Achyranthes</i>	<i>Achyranthes aspera</i> L.	Aaghada	H	7
	<i>Amaranthus</i>	<i>Amaranthus spinosus</i> L.	Kante Math	H	8
		<i>Amaranthus viridis</i> L.	Math	H	9
	<i>Aerva</i>	<i>Aerva lanata</i> (L.) Juss. ex Schult.	Kapuri-Madhura	H	10
	<i>Alternanthera</i>	<i>Alternanthera sessilis</i> (L.) R.Br. ex. DC.	Sarate	H	11
	<i>Celosia</i>	<i>Celosia argentia</i>	Karadu	H	12
Anacardiaceae	<i>Mangifera</i>	<i>Mangifera indica</i> L.	Aamba,Mango	T	13
	<i>Anacardium</i>	<i>Anacardium occidentale</i> L.	Cashew	T	14
	<i>Buchanania</i>	<i>Buchanania lanza</i> Spreng.	Charoli	T	15
Annonaceae	<i>Annona</i>	<i>Annona reticulata</i> L.	Ramaphal	S	16
		<i>Annona squamosa</i> L.	Seetaphal	S	17
		<i>Annona muricata</i> L.	Soursop	S	18
	<i>Polyalthia</i>	<i>Polyalthia longifolia</i>	False Ashoka	T	19
Apocynaceae	<i>Adenium</i>	<i>Adenium obesum</i> (Forssk.) Roem. & Schult	Adencha kanher	H	20
	<i>Allamanda</i>	<i>Allamanda cathartica</i> L.	Golden trumpet	C	21
	<i>Alstonia</i>	<i>Alstonia scholaris</i> (L.) R.Br.	Saptaparni	T	22
	<i>Carissa</i>	<i>Carissa carandas</i> L.	Karvand	S	23
	<i>Catharanthus</i>	<i>Catharanthus roseus</i> (L.) G.Don	Sadaphuli	H	24
	<i>Nerium</i>	<i>Nerium oleander</i> L.	Kanher	S	25
	<i>Plumeria</i>	<i>Plumeria alba</i> L.	Chafa(white)	S	26
		<i>Plumeria rubra</i> L	Chafa(red)	S	27
	<i>Rauvolfia</i>	<i>Rauvolfia tetraphylla</i> . L.	Nag-kuda	S	28
	<i>Tabernaemontana</i>	<i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schult.	Swastik	S	29
Araceae	<i>Colocasia</i>	<i>Colocasia esculenta</i> (L.) Schott	Ahliv	H	30
	<i>Caladium</i>	<i>Caladium bicolor</i> (Aiton) Vent.	Elephants ear	H	31
	<i>Dieffenbachia</i>	<i>Dieffenbachia amoena</i>	Dumbcane	H	32
Araucariaceae	<i>Araucaria</i>	<i>Araucaria heterophylla</i>	Christmas tree	T	33
Arecaceae	<i>Cocos</i>	<i>Cocos nucifera</i> L.	Coconut	T	34
	<i>Roystonea</i>	<i>Roystonea regia</i> (Kunth) O.F.Cook	royal palm	T	35
Asclepiadaceae	<i>Asclepias</i>	<i>Asclepias curassavica</i> L.	Haldikunku	S	36
	<i>Calotropis</i>	<i>Calotropis gigantea</i> R. Br.	White Rui	S	37
		<i>Calotropis procera</i> (Aiton) W.T.Aiton	Rui	S	38
	<i>Hemidesmus</i>	<i>Hemidesmus indicus</i> (L.) Br. Ex Schult.	Anantmul	C1	39
Asperagaceae	<i>Agave</i>	<i>Agave americana</i> L.	Century plant	S	40
	<i>Asparagus</i>	<i>Asparagus racemosus</i> Willd.	Shatavari	C	41
	<i>Dracaena</i>	<i>Dracaena reflexa</i> Lam.	Song of India	H	42
		<i>Dracaena marginata</i> hort.	Madagascar dragon	H	43

	<i>Sansevieria</i>	<i>Sansevieria cylindrica</i> Bojer ex Hook.	Bowstring hemp	H	44
Asphodelaceae	<i>Aloe</i>	<i>Aloe barbadensis</i> miller	Korphaad	H	45
	<i>Ageratum</i>	<i>Ageratum conyzoides</i> L.	Ghanera Osadi	H	46
	<i>Chrysanthemum</i>	<i>Chrysanthemum indicum</i> L.	Shevanti	H	47
	<i>Cosmos</i>	<i>Cosmos sulphureus</i> Cav.	Yellow Cosmos	H	48
	<i>Parthenium</i>	<i>Parthenium hysterophorus</i> L.	Congress grass	H	49
	<i>Synedrella</i>	<i>Synedrella nodiflora</i> (L.) Gaertn.	Pig grass	H	50
	<i>Tagetes</i>	<i>Tagetes minuta</i> L.	Small Marigold	H	51
	<i>Tridax</i>	<i>Tridax procumbens</i> L.	Kambarmodi	H	52
	<i>Sonchus</i>	<i>Sonchus asper</i> (L.) Hill.	Mhatara	H	53
	<i>Acanthospermum</i>	<i>Acanthospermum hispidum</i> D.C.	Landga	H	54
Asteraceae	<i>Xanthium</i>	<i>Xanthium strumarium</i> L.	Zingurda	H	55
	<i>Tithonia</i>	<i>Tithonia rotundifolia</i> (Mill.) S.F.Blake	Mexican sunflower	H	56
	<i>Vernonia</i>	<i>Vernonia cinerea</i> (L.) Less.	Sahdevi	H	57
	<i>Lagascea</i>	<i>Lagascea mollis</i> Cav.	Jharwad	H	58
	<i>Launaea</i>	<i>Launaea nudicaulis</i> Less.	Pathari	H	59
	<i>Blumea</i>	<i>Blumea lacera</i> (Burm.f.) DC.	Bhamurda	H	60
	<i>Tecoma</i>	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Yellow bell	T	61
	<i>Spathodea</i>	<i>Spathodea campanulata</i> P.Beauv	African tulip	T	62
Cactaceae	<i>Cereus</i>	<i>Cereus Peruvianus</i> L.	Night Queen	S	63
	<i>Opuntia</i>	<i>Opuntia elatior</i> (Willd.) Miller	Fadya nivdung	S	64
Casuarinaceae	<i>Casuarina</i>	<i>Casuarina equisetifolia</i> L.	Saru	T	65
Combretaceae	<i>Quisqualis</i>	<i>Quisqualis indica</i> L.	Rangoon	C	66
	<i>Terminalia</i>	<i>Terminalia arjuna</i> (Roxb.) Wight & Arn.	Arjuna	T	67
		<i>Terminalia catappa</i> Linn	Desi-badam	T	68
Commelinaceae	<i>Tradescantia</i>	<i>Tradescantia pallida</i> L.	purple heart	H	69
	<i>Commelina</i>	<i>Commelina benghalensis</i> L.	Kena	H	70
		<i>Commelina ensifolia</i> L.	Kena	H	71
Crassulaceae	<i>Bryophyllum</i>	<i>Bryophyllum pinnatum</i> (Lam.) Oken	Panphuti	H	72
Cupressaceae	<i>Thuja</i>	<i>Thuja orientalis</i> L.	Vidyache zad	S	73
Cycadaceae	<i>Cycas</i>	<i>Cycas revoluta</i> Thunb.	Sago palm	T	74
Convolvulaceae	<i>Ipomoea</i>	<i>Ipomoea quamoclit</i> L.	Ganeshwel	Cl	75
		<i>Ipomoea nil</i> (L.) Roth	Nilwanti	Cl	76
		<i>Ipomoea hederifolia</i> L.	Lalpungi	Cl	77
		<i>Ipomoea pes-tigridis</i> L.	Morning glory	Cl	78
		<i>Ipomoea aquatica</i> L.	Water Besharam	H	79
	<i>Merremia</i>	<i>Merremia emarginata</i> (Burm.f.) Hallier f.	Undirkani	C	80
Costaceae	<i>Costus</i>	<i>Costus speciosus</i> (Konig) Sm.	Insulin plant	S	81
Cucurbitaceae	<i>Coccinia</i>	<i>Coccinia grandis</i> (L.) Voigt.	Tondali	Cl	82
	<i>Diplocyclos</i>	<i>Diplocyclos palmatus</i> (L.) C. Jeffrey	Shivlingi	Cl	83
	<i>Momordica</i>	<i>Momordica charantia</i> De. Scourt.	Karli	Cl	84
	<i>Luffa</i>	<i>Luffa cylindrica</i> (L) M.J. Roem	dodka	Cl	85
Cyperaceae	<i>Cyperus</i>	<i>Cyperus rotundus</i> L.	Nagarmotha	H	86
Dioscoreaceae	<i>Dioscorea</i>	<i>Dioscorea Bulbifera</i> L.	Air potato	C	87
Euphorbiaceae	<i>Acalypha</i>	<i>Acalypha indica</i> L.	Khokli	H	88
		<i>Acalypha wilkesiana</i> Mull. Arg.	Copper leaf	S	89
	<i>Euphorbia</i>	<i>Euphorbia milii</i> Des Moul	Crown of thorns	S	90
		<i>Euphorbia neriifolia</i> L.	Niwitung	S	91
		<i>Euphorbia triangularis</i> Desf. ex A.Berger	River euphorbia	S	92
		<i>Euphorbia heterophylla</i> L.	Dudhi	H	93
		<i>Euphorbia hirta</i> L.	Asthma-plant	H	94
		<i>Euphorbia tirucalli</i> L.	Sherache zad	S	95
	<i>Phyllanthus</i>	<i>Phyllanthus emblica</i> Linn.	Amla	T	96
		<i>Phyllanthus niruri</i> L.	Ran aawli	H	97
		<i>Phyllanthus amarus</i> Schum. Thonn.	Ran aawli	H	98
		<i>Phyllanthus maderaspatensis</i> L.	Ran aawli	H	99

	<i>Jatropha</i>	<i>Jatropha integerrima</i> Jacq. <i>Jatropha gossypiifolia</i> L.	Peregrina Ratanjoti	S	100 101
	<i>Chrozophora</i>	<i>Chrozophora rotteieri</i> (Geiseler) A. Jussieu ex Sprengel.	Untchara	H	102
	<i>Abrus</i>	<i>Abrus precatorius</i> L.	Gunj	Cl	103
	<i>Acacia</i>	<i>Acacia auriculiformis</i> A.Cunn. ex Benth. <i>Acacia nilotica</i> (L.) Willd.	Australian Babul Babbul	T	104 105
	<i>Albizia</i>	<i>Albizia lebbeck</i> (L.) Benthem	Shirish	T	106
	<i>Bauhinia</i>	<i>Bauhinia purpurea</i> L.	Kanchan	T	107
	<i>Butea</i>	<i>Butea monosperma</i> (Lam.) Taubert	Palash	T	108
	<i>Caesalpina</i>	<i>Caesalpina pulcherrima</i> (Linn.) Sw. <i>Caesalpinia bonduc</i> (L.) Roxb.	Shankasur Sagargoti	T S	109 110
		<i>Cassia fistula</i> L.	Bahwa	T	111
	<i>Cassia</i>	<i>Cassia siamea</i> (Lam.) Irwin et Barneby <i>Cassia tora</i> (L.) Roxb. <i>Cassia uniflora</i> (Mill.) Irwin et Barneby	Sonmohar Tarota Tarota	T H H	112 113 114
	<i>Clitoria</i>	<i>Clitoria ternatea</i> L. Var. ternatea	Gokarn	Cl	115
Fabaceae	<i>Dalbergia</i>	<i>Dalbergia sisso</i> Roxb.	Seasam	T	116
	<i>Delonix</i>	<i>Delonix regia</i> (Boj. Ex Hook.) Raf.	Gulmohar	T	117
	<i>Desmodium</i>	<i>Desmodium heterophyllum</i> (Willd.) DC.	Khulkhula	H	118
		<i>Indigofera cordifolia</i> Heyne ex Roth	Godadi	H	119
	<i>Indigofera</i>	<i>Indigofera linifolia</i> (L.f.) Retzius	Narrow leaf indigo	H	120
		<i>Indigofera linnaei</i> Ali	Birdsville indigo	H	121
	<i>Leucaena</i>	<i>Leucaena leucocephala</i> (Lam.) de Wit	Su-babul	T	122
	<i>Mimosa</i>	<i>Mimosa pudica</i> L.	Lajalu	H	123
	<i>Peltophorum</i>	<i>Peltophorum pterocarpum</i> (DC.)	Pila mohar	T	124
	<i>Pithecellobium</i>	<i>Pithecellobium dulce</i> (Roxb.) Benth	Angreji Chinch	T	125
	<i>Pongamia</i>	<i>Pongamia pinnata</i> (L.) Pierre	Karanj	T	126
	<i>Pterocarpus</i>	<i>Pterocarpus santalinus</i> L.f.	Rakt chandan	T	127
	<i>Rhynchosia</i>	<i>Rhynchosia minima</i> (L.) DC.	Jangli tur	Cl	128
	<i>Tamarindus</i>	<i>Tamarindus indica</i> L.	Chinch	T	129
	<i>Tephrosia</i>	<i>Tephrosia purpurea</i> (L.) Pers	Unhali	H	130
Lamiaceae	<i>Coleus</i>	<i>Coleus strobilifer</i> (Roxb.) A.J.Paton	Kapurli	H	131
	<i>Hyptis</i>	<i>Hyptis suaveolens</i> Poit.	Jangli tulas	H	132
	<i>Leonotis</i>	<i>Leonotis nepetifolia</i> (L.) R. Br.	Dipmal	H	133
	<i>Mentha</i>	<i>Mentha spicata</i> L.	Pudina	H	134
	<i>Ocimum</i>	<i>Ocimum sanctum</i> L.	Tulas	H	135
		<i>Ocimum basilicum</i> L.	Ran tulas	H	136
Malvaceae	<i>Hibiscus</i>	<i>Hibiscus rosa-sinensis</i> L.	Jaswand	S	137
	<i>Malvastrum</i>	<i>Malvastrum coromandelianum</i> (L.) Garcke	False mallow	H	138
	<i>Sida</i>	<i>Sida acuta</i> N. Burman <i>Sida cordata</i> (Burm.f.)	Chikana Bhumi petari	H H	139 140
	<i>Thespesia</i>	<i>Thespesia populnea</i> (L.) Sol.ex Correa.	Parosa pimpal	T	141
Meliaceae	<i>Azadirachta</i>	<i>Azadirachta indica</i> A.Juss.	Neem	T	142
Menispermaceae	<i>Cocculus</i>	<i>Cocculus hirsutus</i> (L.) W. Theob.	Wasan wel	Cl	143
	<i>Tinospora</i>	<i>Tinospora cordifolia</i> (Willd.) Miers	Gulvel	Cl	144
Moraceae	<i>Artocarpus</i>	<i>Artocarpus heterophyllus</i> Lam.	Phanas	T	145
	<i>Ficus</i>	<i>Ficus benghalensis</i> L <i>Ficus benjamina</i> L. <i>Ficus carica</i> L <i>Ficus elastica</i> Roxb. ex Hornem. <i>Ficus racemosa</i> L. <i>Ficus religiosa</i> L. <i>Ficus macrocarpa</i> L.f.	Vad Weeping fig Anjir Rubber tree Umber Pimpal Chinese banyan	T S S T T T S	146 147 148 149 150 151 152
Moringaceae	<i>Moringa</i>	<i>Moringa oleifera</i> Lam.	Shevga	T	153
Myrtaceae	<i>Eucalyptus</i>	<i>Eucalyptus globulus</i> Labill.	Nilgiri	T	154
	<i>Psidium</i>	<i>Psidium guajava</i> L.	Peru	S	155
	<i>Syzygium</i>	<i>Syzygium cumini</i> (L.) Skeels	Jambhul	T	156

Nyctaginaceae	<i>Boerhavia</i>	<i>Boerhavia difusa</i> L.	Punarnava	H	157
	<i>Bougainvillea</i>	<i>Bougainvillea spectabilis</i> Willd.	Bogavel	C	158
Oleaceae	<i>Jasminum</i>	<i>Jasminum sambac</i> (L.) Aiton	Mogara	Cl	159
	<i>Nyctanthes</i>	<i>Nyctanthes arbor-trisis</i> L.	Parijatak	T	160
Oxalidaceae	<i>Biophytum</i>	<i>Biophytum sensitivum</i> (L.) DC.	Lajwanti	H	161
	<i>Oxalis</i>	<i>Oxalis corniculata</i> L.	Aambushi	H	162
Papaveraceae	<i>Argemone</i>	<i>Argemone mexicana</i> L.	Bilayti	H	163
Passifloraceae	<i>Passiflora</i>	<i>Passiflora incarnata</i> L.	Krushn kamal	Cl	164
Plumbaginaceae	<i>Plumbago</i>	<i>Plumbago zeylanica</i> L.	Chitrak	H	165
Poaceae	<i>Arthraxon</i>	<i>Arthraxon hispidus</i> (Thunb.) Makino	Small carpet grass	H	166
	<i>Chloris</i>	<i>Chloris barbata</i> Sw.	Red feather	H	167
		<i>Chloris virgata</i> Sw.	Feather finger grass	H	168
		<i>Cymbopogon citratus</i> (DC.) Stapf	Lemon grass	H	169
	<i>Cymbopogon</i>	<i>Cymbopogon martini</i> (Roxb.) W. Watson	Tikhadi	H	170
	<i>Cynodon</i>	<i>Cynodon dactylon</i> (L.) Pers.	Harali/ Durwa	H	171
	<i>Dendrocalamus</i>	<i>Dendrocalamus strictus</i> (Roxb.) Nees.	Bamboo	S	172
	<i>Dichanthium</i>	<i>Dichanthium caricosum</i> (L.) A. Camus	Panic grass	H	173
	<i>Digitaria</i>	<i>Digitaria radicosa</i> (J. Presl) Miq	Crab grass	H	174
	<i>Setaria</i>	<i>Setaria glauca</i> (L.) P. Beauv.	Chikta	H	175
Portulacaceae	<i>Setaria vericillata</i> (L.) P. Beauv.		Hooked Foxtail	H	176
	<i>Themeda</i>	<i>Themeda quadrivalvis</i> (L.) Kuntze	Habana grass	H	177
	<i>Portulaca</i>	<i>Portulaca afra</i> Jacq.	Dwarf jade	H	178
		<i>Portulaca grandiloba</i> Hook.	Purslane	H	179
		<i>Portulaca oleracea</i> L.	Ghol bhaji	H	180
		<i>Portulaca pilosa</i> L.	Small Purslane	H	181
Putranjivaceae	<i>Portulaca quarifida</i> L.		Purslane	H	182
	<i>Putranjiva</i>	<i>Portulaca umbraticola</i> Kunth.	Office time flower	H	183
Putranjivaceae	<i>Putranjiva</i>	<i>Putranjiva roxburghii</i> Wall.	Putranjiva	H	184
Rhamnaceae	<i>Ziziphus</i>	<i>Ziziphus jujuba</i> Mill.	Bor	T	185
		<i>Ziziphus oenopolia</i> (L.) Mill.	Katbor	S	186
Rubiaceae	<i>Coffea</i>	<i>Coffea arabica</i> L.	Coffee	S	187
	<i>Gardenia</i>	<i>Gardenia gummifera</i> L.f.	Dikamali	S	188
	<i>Ixora</i>	<i>Ixora coccinea</i> L.	Ixora	S	189
		<i>Ixora parviflora</i> Lam.	Ixora	S	190
	<i>Morinda</i>	<i>Morinda citrifolia</i> L.	Noni	T	191
	<i>Neolamarckia</i>	<i>Neolamarckia cadamba</i> (Roxb.) Bosser	Kadamb	T	192
Rutaceae	<i>Oldenlandia</i>	<i>Oldenlandia corymbosa</i> L.	Pittapda	H	193
	<i>Aegle</i>	<i>Aegle marmelos</i> (L.) Corrêa	Bel patr	T	194
	<i>Citrus</i>	<i>Citrus aurantifolia</i> (Christm.) Swingle	Nimbu	T	195
		<i>Citrus sinensis</i> (L.) Osbeck	Santra	T	196
	<i>Murraya</i>	<i>Murraya koenigii</i> (L.) Spreng.	Kadipatta	S	197
Sapindaceae		<i>Murraya paniculata</i> (L.) Jack	Kunti, kamini	S	198
	<i>Cardiospermum</i>	<i>Cardiospermum halicacabum</i> L.	Kapalfodi	C	199
Sapotaceae	<i>Madhuca</i>	<i>Madhuca longifolia</i> (J. Koenig ex L.) J.F. Macbr.	Mahua	T	200
Solanaceae	<i>Datura</i>	<i>Datura metel</i> L.	Dhotara	H	201
	<i>Physalis</i>	<i>Physalis minima</i> L.	Ghanera	H	202
	<i>Withania</i>	<i>Withania somnifera</i> (L.) Dunal	Ashwgandha	H	203
Verbenaceae	<i>Duranta</i>	<i>Duranta repens</i> L.	Mehandi	S	204
	<i>Lantana</i>	<i>Lantana camara</i> L.	Tantani	S	205
	<i>Tectona</i>	<i>Tectona grandis</i> L.f.	Sagwan	T	206
	<i>Vitex</i>	<i>Vitex negundo</i> L.	Nirgudi	S	207
Vitaceae	<i>Cissus</i>	<i>Cissus adnata</i> Roxb.	Nadena	C	208
		<i>Cissus quadrangularis</i> L.	Hadjodi	C	209
Zingiberaceae	<i>Zingiber</i>	<i>Zingiber officinale</i> Roscoe.	Adrak	H	210
	<i>Curcuma</i>	<i>Curcuma longa</i> L.	Turmeric	H	211
Zygophylaceae	<i>Tribulus</i>	<i>Tribulus terrestris</i> L.	Gokhru	H	212

Abbreviations used: H=Herb, S=Shrub, T=Tree, C=Creeper, Cl=Climbers.

Table 2: Habit wise distribution of plant species at College Campus

In order to maintain the ecological balance and to further sustainable development, plant species of economic and ecological importance are present in the study area. So, these plant species superficially depict the composition of flora of Manora tehsil. However, composition of annual herbaceous flora may vary in different seasons. Therefore, these species can be utilized keeping in view the idea of sustainable development and utilization.

Table 3: Classification of plant species which are found in college campus.

Sr. No.	Plant group	Plant types	No. of Families	No. of Genus	No. of plant Sp.	% of Plant Sp.
	Gymnosperms	-	03	03	03	1.41 %
	Angiosperms	Dicot.	40	135	178	83.96 %
		Monocot.	10	26	31	14.62 %
	Total	-	53	164	212	100 %

Conclusion:

In the present study, it was concluded that the selected flora, from the campus of M.S.P. Arts, Science & K.P.T. Commerce College Manora Dist. Washim is in good vegetation status and the availability of Medicinal Plants and the uses should be documented. In all nearly 212 species representing 164 genera and 53 families are noticed from all plant groups. The gymnosperms contribute about only 1% with 3 Species of each genus from 3 families. The remaining 99 % vegetation were of Angiospermic plants with 209 species. Among angiosperms Dicotyledons plants are more dominant i.e. 83.96 % with 178 species from 135 genera of 40 different families. The monocotyledons show 14.62% of diversity with 31 plant species from 26 genera of 10 families. (Table.3) The college will take necessary action through green team, Department of botany to protect this flora from plastic pollution and deforestation. As per different medicinal properties and future scope all the plant species will be conserved. The awareness programme will be conducted among college students to protect and conserve this flora.

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