



CHECKLIST OF ANGIOSPERMS FROM MIRA - BHAYANDER REGION, THANE, MAHARASHTRA, INDIA

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Mira - Bhayander area in Thane, Maharashtra, India is an extended part of Mumbai Metropolitan Region; located on northern portion of Salsette Island and above the Konkan region. It is extended between 14°42'N to 20°20' N Latitude and 0°25' E to 73°44' E with area of 79 km². A marshy creek has divided Mumbai and Mira – Bhayander apart. It is bound by Vasai Creek to north, Sanjay Gandhi National Park to east and Uttan coast to the west. It is mainly made up of Deccan lava terrain and consists of waterlogged and marshy areas. The area of Mira - Bhayander is marked with diversity of plants due to presence of 376 species of Angiosperms belonging to 74 different families. Some dominant families in the area are Malvaceae (15 Species), Leguminosae (35 Species), Rubiaceae (12 Species), Compositae (19 Species), Apocynaceae (10 Species), Convolvulaceae (11 Species), Solanaceae (14 Species), Acanthaceae (19 Species), Labiatae (10 Species), Euphorbiaceae (15 Species), Urticaceae (11 Species), Liliaceae (10 Species) and Graminae (Poaceae) (12 Species).

Keywords : Mira - Bhayander Region, Marshy Area, Angiosperms, Diversity.

Mira - Bhayander area is located on a plain level land. Geographically the city falls in the Deccan lava terrain and geologically in lava terrain. Uttan and Ghodbunder are hilly regions. The plain terrain forms a wide area of water logged and marshy land. The climate in the month of October is wet and hot followed by cool and pleasant weather from December to February. During March to June the weather is dry and hot. The climate of Mira - Bhayander is typically coastal, sultry and not hot. There are virtually two distinct seasons, namely monsoon and dry season. The dry season comprises of summer and winter. The rainy season starts in the beginning of June and ends in the last week of September. Annual mean rainfall is of 2400 mm. with maximum rainfall in the month of July with average of about 800 mm. The humidity ranges from 49% to 87% with the highest humidity in the month of July (Environmental Report of Govt. of Maharashtra). Hence, the area shows presence of varied flora and fauna. In the present study, the area was investigated in different seasons round the year for study and identification of diversified Angiosperms.

MATERIALS AND METHODS

The area of Mira - Bhayander was investigated for Angiosperms for time period of one year i.e.

from 1st October 2012 to 30th September 2013. The specimens were collected fresh (when possible) and / or photographs were taken from various locations and studied for their morphological characters such as roots, stem, leaves, flowers and / or fruits and seeds (if required) as per their availability. The specimens were compared to the preserved specimens from Batter Herbarium, St. Xavier's College; Mumbai for identification. The specimens were identified and named based upon Natural System of Classification given by Bentham and Hooker (1862 to 1883). Some samples of soil were also collected to study them to correlate existence of the plants in the area. These soil samples were studied for their types and pH.

RESULTS AND DISCUSSION

The plants were referred to Flora of Bombay Presidency (Cooke, 1903 – 1908) and identified based upon natural system of classification (Bentham & Hooker, 1862 – 1883). List of the plants noted down and identified from the area (Naik, 1984 and Ingahalikar, 2003) is given in Table 1. Time period of one year has given us a complete cross section of various Angiosperms in the area throughout the year comprising of all the three seasons i.e. summer, winter and

Table 1: List of the Plants Identified

Sr. No.	Family	Name of the Plant	Local Name
1	Annonaceae	1. <i>Michelia champaka</i> Linn.	Sonchapha
		2. <i>Artabotrys odoratissimus</i> R. Br.	Hirava Chapha
		3. <i>Polvathia longifolia</i> Benth. & Hook.	Asupalav
		4. <i>Annona saamasa</i> Linn.	Sitaphal
		5. <i>Annona reticulata</i> Linn.	Ramphal
2	Menispermaceae	1. <i>Tinospora cordifolia</i> Miers.	Gulvel
		2. <i>Cocculus villosus</i> DC.	Vasan Vel
		3. <i>Cissampelos pareira</i> Linn.	Pahad Vel
3	Nymphaeaceae	1. <i>Nymphaea lotus</i> Linn.	Kamal
		2. <i>Nelumbium speciosum</i> Willd.	Kamal
4	Papaveraceae	1. <i>Argemone mexicana</i> Linn.	Pivala Dhotra
5	Cruciferae	1. <i>Nasturtium indicum</i> DC.	Water Cress
		2. <i>Brassica juncea</i> Linn.	Mohori
6	Capparaceae	1. <i>Cleome viscosa</i> Linn.	Pivali Tilvan
		2. <i>Cadaba indica</i> Lamrk.	---
		3. <i>Capparis spinosa</i> Linn.	Kabar. Kalvari
		4. <i>Capparis sepiaria</i> Linn.	Kanthar
7	Flacourtiaceae	1. <i>Flacourtia latifolia</i> T. Cooke	Tambat
8	Portulacaceae	1. <i>Portulaca oleracea</i> Linn.	Ghol
9	Guttiferae	1. <i>Garcinia indica</i> Choiss.	Ratamba, Kokam
		2. <i>Calophyllum inophyllum</i> Linn.	Undi
		3. <i>Mesua ferrea</i> Linn.	Nag Chapha
10	Malvaceae	1. <i>Althea rosea</i> Linn.	Hollyhock
		2. <i>Malva parviflora</i> Linn.	Narr, Gogi Sag
		3. <i>Sida acuta</i> Burm.	Bala, Jangali Methi
		4. <i>Sida rhombifolia</i> Masters.	Ati Bala
		5. <i>Sida cordifolia</i> Linn.	Bala
		6. <i>Abutilon indicum</i> Sweet.	Mudra, Petari
		7. <i>Malachra capitata</i> Linn.	Van Bhendi
		8. <i>Pavonia zvelanica</i> Cav.	---
		9. <i>Hibiscus hirtus</i> Linn.	Dupari
		10. <i>Hibiscus abelmoschus</i> Linn.	Kasturi Bhendi
		11. <i>Hibiscus esculentus</i> , Linn.	Bhendi
		12. <i>Thespesia populnea</i> Soland. ex Correa.	Ran Bhend
		13. <i>Gossypium herbaceum</i> Linn.	Karus
		14. <i>Adansonia digitata</i> Linn.	Gorakh Chinch
		15. <i>Bombax malabaricum</i> DC.	Kathe Savari
11	Sterculiaceae	1. <i>Sterculia foetida</i> Linn.	Jangali Badam
		2. <i>Sterculia urens</i> Roxb.	Kandol
		3. <i>Helicteris isora</i> Linn.	Murud Sheng
		4. <i>Melochia corchorifolia</i> Linn.	---

Sr. No.	Family	Name of the Plant	Local Name
12	Tiliaceae	1. <i>Grewia tiliifolia</i> Linn.	Dhaman, Thadsal
		2. <i>Grewia villosa</i> Willd.	---
		3. <i>Triumfetta rotundifolia</i> Lamk.	---
		4. <i>Corchorus capsularis</i> Linn.	---
13	Geraniaceae	1. <i>Oxalis corniculata</i> Linn.	Ambushi
		2. <i>Averrhoa carambola</i> Linn.	Kamarak
		3. <i>Impatiens inconspicua</i> Benth.	Terda
14	Rutaceae	1. <i>Ruta graveolens</i> Linn.	Satar
		2. <i>Glycosmis pentaphylla</i> Corr.	---
		3. <i>Murraya exotica</i> Linn.	Kunti
		4. <i>Murraya koenigii</i> Spreng.	Kadhi Patta
		5. <i>Citrus medica</i> var. <i>acida</i> Linn.	Lemon
		6. <i>Feronia elephantum</i> Corr.	Kavath
		7. <i>Aegle marmelos</i> Corr.	Bel
15	Burseraceae	1. <i>Garuga pinnata</i> Roxb.	Kakad
16	Meliaceae	1. <i>Melia azedarach</i> Linn.	Bak Neem
		2. <i>Azadirachta indica</i> A. Juss.	Neem
17	Rhamnaceae	1. <i>Zizyphus jujuba</i> Lamrk.	Bor
		2. <i>Zizyphus rotundifolia</i> Lamrk.	Jangra
18	Vitaceae	1. <i>Vitis quadrangularis</i> Wall.	Hadmodi
		2. <i>Vitis tomentosa</i> Heyne	Shend Vel
		3. <i>Vitis trifolia</i> Linn.	Ambat Vel
		4. <i>Leea aspera</i> Edgew.	---
		5. <i>Leea sambucina</i> Willd.	Dinda
19	Sapindaceae	1. <i>Cardiospermum helicacabum</i> Linn.	Tejovati
		2. <i>Sapindus laurifolius</i> Vahl.	Rita
20	Anacardiaceae	1. <i>Mangifera indica</i> Linn.	Aamba
		2. <i>Anacardium occidentale</i> Linn.	Kaju
21	Moringaceae	1. <i>Moringa pterygosperma</i> Gaertn.	Shevga
		1. <i>Crotalaria juncea</i> Linn.	---
		2. <i>Crotalaria striata</i> DC.	---
		3. <i>Cyamopsis psoralioides</i> DC.	Gavar
22	Leguminosae	4. <i>Indigofera cordifolia</i> Heyne	Godadi, Bechka
		5. <i>Indigofera trifolia</i> Linn.	---
		6. <i>Psoralea corylifolia</i> Linn.	Bavchi
		7. <i>Tephrosia tinctoria</i> Pers.	Nil. Guli
		8. <i>Sesbania aculeata</i> Poir.	Chuncha, Ran Shevari
		9. <i>Smithia purpurea</i> Hook. & Burkar.	---
		10. <i>Desmodium cephalotes</i> Wall.	Lanoli
		11. <i>Desmodium triflorum</i> DC.	Ran Methi
		12. <i>Abrus precatorius</i> Linn.	Guni
		13. <i>Mucuna pruriens</i> DC.	Khaj Khujali

Sr. No.	Family	Name of the Plant	Local Name
22	Leguminosae (Continued)	14. <i>Erythrina indica</i> Lamk.	Pangara
		15. <i>Butea frondosa</i> Konig.	Palash
		16. <i>Phaseolus trilobus</i> Ait.	Jangali Math
		17. <i>Vigna catjang</i> Walp.	Chavali
		18. <i>Clitoria ternatea</i> Linn.	Gokarna
		19. <i>Flemengia strobilifera</i> R. Br.	Kanphuti
		20. <i>Dalbergia sissoo</i> Roxb.	Sisavi
		21. <i>Dalbergia latifolia</i> Roxb.	Shisar
		22. <i>Pterocarpus marsupium</i> Roxb.	Bibla
		23. <i>Pongamia glabra</i> Vent.	Karani
		24. <i>Caesalpinia pulcherrima</i> Swartz.	Sankhasur
		25. <i>Parkinsonia aculeata</i> Linn.	Vedi Babhul
		26. <i>Cassia tora</i> Linn.	Takla
		27. <i>Saraca indica</i> Linn.	Ashok
		28. <i>Tamarindus indica</i> Linn.	Chinch
		29. <i>Bauhinia purpurea</i> Linn.	Kanchan
		30. <i>Adenanthera pavonia</i> Linn.	Ratan Guni
		31. <i>Mimosa pudica</i> Linn.	Lajalu
		32. <i>Acacia arabica</i> Willd.	Babhul
		33. <i>Acacia pennata</i> Willd.	Shembi
		34. <i>Albizia lebbek</i> Benth.	Shirist
		35. <i>Pithecolobium dulce</i> Benth.	Vilayati Chinch
23	Rosaceae	1. <i>Rosa indica</i> Linn.	Gulab
24	Crassulaceae	1. <i>Bravconium calycinum</i> Salisb.	Panphuti
25	Rhizophoraceae	1. <i>Rhizophora mucronata</i> Lamk.	Dumbi, Kandal
		2. <i>Bruguiera parviflora</i> Wight. & Arn.	—
26	Combretaceae	1. <i>Terminalia bellerica</i> Roxb.	Behda
		2. <i>Terminalia chebula</i> Retz.	Harda
		3. <i>Terminalia arjuna</i> Wight & Arn.	Arjun
		4. <i>Terminalia tomentosa</i> Wight & Arn.	Ain
		5. <i>Terminalia catappa</i> Linn.	Deshi Badar
		6. <i>Calycotris floribunda</i> Lamk.	Ukshi, Baguli
		7. <i>Anogeissus latifolia</i> Wall.	Dhavda, Dabria
		8. <i>Combretum ovalifolium</i> Roxb.	Maabel, Zellusi
		9. <i>Ouisqualis indica</i> Linn.	Rangun Vel
27	Myrtaceae	1. <i>Eugenia jambolana</i> Lamk.	Jambhul
		2. <i>Barringtonia racemosa</i> Roxb.	Samudraphul
		3. <i>Barringtonia acutangula</i> Gaertn.	Tivar, Ingali
28	Lythraceae	1. <i>Ammania baccifera</i> Linn.	Bhar Jambhal
		2. <i>Woodfordia floribunda</i> Salisb.	Dhayati
		3. <i>Lawsonia inermis</i> Linn.	Mehendi
		4. <i>Lagerstroemia flos-reginae</i> Retz.	Tamhan

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29	Onagraceae	1. <i>Jussiaea suffruticosa</i> Linn.	Pan Lavang
30	Cucurbitaceae	1. <i>Trichosanthes cucumerina</i> Linn.	Jangali Padval
		2. <i>Momordica charantia</i> Linn.	Karala
		3. <i>Luffa acutangula</i> Roxb.	Shiral
		4. <i>Cucumis trigonus</i> Roxb.	Karit
		5. <i>Coccinia indica</i> Wight.	Tondali
		6. <i>Melothria maderaspatana</i> Cogniaux.	Chirati
31	Ficoideae	1. <i>Trianthema monogyna</i> Linn.	Bis Khapra
		2. <i>Mollugo oppositifolia</i> Linn.	Jhavasi
32	Umbelliferae	1. <i>Hydrocotyl asiatica</i> Linn.	Brahmi
		2. <i>Carum copticum</i> Benth. & Hook.	Aivan
33	Rubiaceae	1. <i>Anthocephalus indicus</i> A. Rich.	Kadamb
		2. <i>Adina cordifolia</i> Benth. & Hook.	Hed
		3. <i>Mitragyna parviflora</i> Korth.	Kalam
		4. <i>Oldenlandia diffusa</i> Roxb.	---
		5. <i>Mussaenda frondosa</i> Linn.	Sarvad. Bhutkes
		6. <i>Gardenia lucida</i> Roxb.	Dikamali
		7. <i>Gardenia jasminoides</i> Ellis.	Anant. Gandharaia
		8. <i>Ixora polyantha</i> Wight.	---
		9. <i>Ixora parviflora</i> Vahl	Rai Kuda
		10. <i>Pavetta indica</i> Linn.	Papat
		11. <i>Morinda citrifolia</i> Linn.	Bartondi
		12. <i>Rubia cordifolia</i> Linn.	Manishtha. Itta
34	Compositae / Asteraceae	1. <i>Vernonia cinerea</i> Less.	Sahadevi
		2. <i>Elephantopus scaber</i> Linn.	Hastipatta
		3. <i>Ageratum conyzoides</i> Linn.	Osadi
		4. <i>Cvathocline lyrata</i> Cass.	---
		5. <i>Blumea lacera</i> DC.	Burando
		6. <i>Pluchea tomentosa</i> DC.	---
		7. <i>Sphaeranthus indicus</i> Linn.	Gorakh Mundi
		8. <i>Blepharispernum subsessile</i> DC.	---
		9. <i>Xanthium strumarium</i> Linn.	Sankeshvar
		10. <i>Eclipta alba</i> Linn.	Maaka
		11. <i>Wedelia biflora</i> DC.	Sonki
		12. <i>Tridax procumbens</i> Linn.	Dagad Phul
		13. <i>Artemisia scoparia</i> Waldst.	Gaiara
		14. <i>Sonchus asper</i> Hill	Mhatara
		15. <i>Dahlia variabilis</i> Desf.	---
		16. <i>Cosmos bininnatus</i> Cav.	---
		17. <i>Tagetes erecta</i> Linn.	Marigold
		18. <i>Chrysanthemum indicum</i> Linn.	Gul Daudi
		19. <i>Carthamus tinctorius</i> Linn.	Kusumba

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35	Plumbaginaceae	1. <i>Plumbago zeylanica</i> Linn.	Chitrak
36	Myrsinaceae	1. <i>Embelia ribes</i> Burm.	Vavding
37	Sapotaceae	1. <i>Chrysophyllum cainito</i> Linn.	Star Apple
		2. <i>Basia latifolia</i> Roxb.	Moh
		3. <i>Mimusops elengi</i> Linn.	Bakul
38	Oleaceae	1. <i>Jasminum sambac</i> Ait.	Bat Mogra
		2. <i>Jasminum pubescens</i> Willd.	Ran Mogra
		3. <i>Jasminum officinale</i> Linn.	Chameli
		4. <i>Nyctanthes arbor-tristis</i> Linn.	Parijat
39	Salvadoraceae	1. <i>Salvadora persica</i> Linn.	Pilu, Khakan
40	Apocynaceae	1. <i>Carissa carandas</i> Linn.	Karvand
		2. <i>Rawolfia serpentina</i> Benth. ex Kurz.	Hadki
		3. <i>Alstonia scholaris</i> R. Br.	Satvin
		4. <i>Holarrhena antidysenterica</i> Wall.	Pandhara Kuda
		5. <i>Wrightia tomentosa</i> Roem. & Schult.	Tamda Kuda
		6. <i>Wrightia tictoria</i> R. Br.	Kala Kuda
		7. <i>Plumeria acutifolia</i> Poir.	Pandhara Chapha
		8. <i>Nerium odorum</i> Soland.	Kanher
		9. <i>Thevetia nerifolia</i> Juss. ex Steud.	Bitti
		10. <i>Allamanda neriifolia</i> Hook.	—
41	Asclepiadaceae	1. <i>Hemidesmus indicus</i> R. Br.	Anantmul
		2. <i>Calotropis gigantea</i> R. Br.	Rui
		3. <i>Calotropis procera</i> R. Br.	Mandar
		4. <i>Gymnema sylvestre</i> R. Br.	Kavali, Piiani
		5. <i>Tylophora fasciculata</i> Ham. in Wight.	Bhindodi
		6. <i>Pergularia pallida</i> Wight & Arn.	—
		7. <i>Marsdenia volubilis</i> T. Cooke	Almbri, Hirandodi
		8. <i>Hoya wrightii</i> Hook.	Dudh Vel
42	Gentianaceae	1. <i>Exacum bicolor</i> Roxb.	Udichirdvet
43	Boraginaceae	1. <i>Cordia myxa</i> Linn.	Bhokar
		2. <i>Cordia sebestena</i> Linn.	—
		3. <i>Heliotropium indicum</i> Linn.	Bhurundi
		4. <i>Trichodesma indicum</i> R. Br.	Chhota Kalpa
44	Convolvulaceae	1. <i>Cuscuta reflexa</i> Roxb.	Akash Vel
		2. <i>Evolvulus alsinoides</i> Linn.	Vishnukrant
		3. <i>Convolvulus arvensis</i> Linn.	Chand Vel
		4. <i>Jacquemontia paniculata</i> Hallier.	—
		5. <i>Merremia emarginata</i> Hallier.	Undirkani
		6. <i>Ipomoea involucreata</i> Beauv.	—
		7. <i>Ipomoea aquatica</i> Forsk.	Nalichi Bha gi
		8. <i>Ipomoea biloba</i> Forsk.	Samudraphen
		9. <i>Ipomoea palmata</i> Forsk.	—

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44	Convolvulaceae (Continued)	10. <i>Argyrea speciosa</i> Sweet.	Samudrashok
		11. <i>Quamoclit vulgaris</i> Choisy.	Ganesh Vel
45	Solanaceae	1. <i>Solanum nigrum</i> Linn.	Kangani
		2. <i>Solanum xanthocarpum</i> Schrad.	Kate Ringani
		3. <i>Solanum indicum</i> Linn.	Mothi Ringani
		4. <i>Solanum tuberosum</i> Linn.	Batata
		5. <i>Solanum melongena</i> Linn.	Brinjal
		6. <i>Physalis minima</i> Linn.	Ran Popati, Kapal Phodi
		7. <i>Datura fastuosa</i> Linn.	Kala Dhotra
		8. <i>Datura fastuosa</i> var. <i>alba</i> Linn.	Dhotra
		9. <i>Lycopersicum esculentum</i> Mill.	Tomato
		10. <i>Cestrum nocturnum</i> Linn.	Rat Rani
		11. <i>Nicotiana tabacum</i> Linn.	Tambakhu
		12. <i>Petunia</i> spp.	--
		13. <i>Capsicum annuum</i> Linn.	Bhopali Mirchi
		14. <i>Capsicum frutescens</i> Linn.	Mirchi
46	Scrophulariaceae	1. <i>Bonnaya oppositifolia</i> Spreng.	--
		2. <i>Sopubia delphinifolia</i> G. Don.	Dudhali
		3. <i>Russelia iuncea</i> Zucc.	Weeping Merry
		4. <i>Scoparia dulcis</i> Linn.	--
47	Bignoniaceae	1. <i>Oroxylum indicum</i> Vent.	Tetu
		2. <i>Tecomella undulata</i> Seem.	Rakta Rohida
48	Pedaliaceae	1. <i>Sesamum indicum</i> Linn.	Janeali Til
49	Acanthaceae	1. <i>Thunbergia grandiflora</i> Roxb.	--
		2. <i>Blepharis indica</i> T. Anders.	Jasad
		3. <i>Acanthus ilicifolius</i> Linn.	Marandi
		4. <i>Asteracantha longifolia</i> Nees.	Talimkhana
		5. <i>Hypocrochila serpyllum</i> T. Anders.	Ran Tewari
		6. <i>Ruellia patula</i> Jacq.	Katmora
		7. <i>Strobilanthes perfoliatus</i> T. Anders.	Waiti
		8. <i>Andrographis paniculata</i> Nees.	Kreat, Kalpa
		9. <i>Haplanthus verticillaris</i> Nees.	Jakara, Kateri
		10. <i>Crossandra undulataefolia</i> Salisb.	Aboli
		11. <i>Barleria prionitis</i> Linn.	Pivali Koranti
		12. <i>Barleria cristata</i> Linn.	Gokran
		13. <i>Barleria gibsoni</i> Dalz.	Gura
		14. <i>Eranthemum bicolor</i> Schrank.	--
		15. <i>Rungia repens</i> Nees.	Ghati Pitpara
		16. <i>Echolium linneanum</i> Kurz.	Ran Aboli
		17. <i>Justicia procumbens</i> Linn.	Kalmashi, Karambal
		18. <i>Adhatoda vasica</i> Nees	Adulsa
		19. <i>Peristrophe bicalyculata</i> Nees	--

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50	Verbenaceae	1. <i>Lantana camara</i> Linn.	Tantani, Ghaneri
		2. <i>Tectona grandis</i> Linn.	Saag
		3. <i>Gmelina arborea</i> Roxb.	Shivan
		4. <i>Premna integrifolia</i> Linn.	Khara Narvel
		5. <i>Vitex negundo</i> Linn.	Nirgudi
		6. <i>Clerodendron inerme</i> Garth.	Van Jai
		7. <i>Avicennia alba</i> Blume	Tivar
		8. <i>Verbena venosa</i> Gill. & Hook.	---
		9. <i>Duranta plumieri</i> Jacq.	---
51	Labiatae	1. <i>Ocimum sanctum</i> Linn.	Tulasi
		2. <i>Ocimum canum</i> Sins.	Ran Tulasi
		3. <i>Plectranthus incanus</i> Link	Lal Agahda
		4. <i>Coleus barbatatus</i> Benth.	Main Mul, Garmar
		5. <i>Coleus ambonicus</i> Lour.	Panacha Ova
		6. <i>Lavandula burmanii</i> Benth.	---
		7. <i>Pogostemon paniculatus</i> Benth.	---
		8. <i>Pogostemon parviflorus</i> Benth.	Pangali
		9. <i>Salvia coccinea</i> Juss.	---
		10. <i>Mentha viridis</i> Linn.	Pudina
52	Nyctaginaceae	1. <i>Boerhaavia diffusa</i> Linn.	Vasu, Ghetuli
		2. <i>Mirabilis jalapa</i> Linn.	Gul Abbas
		3. <i>Bougainvillea spectabilis</i> Willd.	Bogan Vel
53	Amaranthaceae	1. <i>Celosia argentea</i> Linn.	Kurdu
		2. <i>Amaranthus spinosus</i> Linn.	Kante Math
		3. <i>Aerua lanata</i> Juss.	Kapur Madhuri
		4. <i>Achyranthes aspera</i> Linn.	Aghada
		5. <i>Alternanthera sessilis</i> R. Br.	Jalambha
		6. <i>Gomphrena globosa</i> Linn.	Gentleman's Button
54	Chenopodiaceae	1. <i>Chenopodium album</i> Linn.	Chakvat
		2. <i>Atriplex hortensis</i> Linn.	---
		3. <i>Suaeda nudiflora</i> Moa.	Moras
		4. <i>Basella rubra</i> Linn.	Mavalu
55	Polygonaceae	1. <i>Polygonum glabrum</i> Willd.	Sheral
56	Piperaceae	1. <i>Peperomia wightiana</i> Miq.	---
57	Loranthaceae	1. <i>Loranthus longiflorus</i> Desrouss.	Bandgul
		2. <i>Viscum dichotoma</i> Kurz.	Bandgul
58	Euphorbiaceae	1. <i>Euphorbia coccinea</i> Roth.	---
		2. <i>Euphorbia pulcherrima</i> Willd. ex Klotzsch.	---
		3. <i>Euphorbia tirucalli</i> Linn.	Sher
		4. <i>Bridellia retusa</i> Spreng.	Asana
		5. <i>Phyllanthus emblica</i> Linn.	Avla
		6. <i>Phyllanthus niruri</i> Linn.	Bhui Avali

Sr. No.	Family	Name of the Plant	Local Name
58	Euphorbiaceae (Continued)	7. <i>Phyllanthus indicus</i> Mull.Arg.	Pan Nana
		8. <i>Putranjeeva roxburghii</i> Wall.	Putraniiva
		9. <i>Jatropha glandulifera</i> Roxb.	Jangali Erand
		10. <i>Croton tiglium</i> Linn.	---
		11. <i>Acalypha indica</i> Linn.	Kupi, Khokali
		12. <i>Trewia nudiflora</i> Linn.	Petari
		13. <i>Macaranga tomentosa</i> Wight.	Chanda
		14. <i>Pedilanthus tithymaloides</i> Pott.	Vilavati Sher
		15. <i>Ricinus communis</i> Linn.	Erand
59	Urticaceae	1. <i>Holoptelia integrifolia</i> Planch.	Vavli
		2. <i>Trema orientalis</i> Blume.	Gol
		3. <i>Streblus asper</i> Lour.	Kharoti
		4. <i>Ficus bengalensis</i> Linn.	Wad
		5. <i>Ficus tomentosa</i> Roxb.	Kallu Goli
		6. <i>Ficus religiosa</i> Linn.	Pimpal
		7. <i>Ficus hispida</i> Linn.	Kala Umber
		8. <i>Ficus elastica</i> Roxb.	Indian Rubber Plant
		9. <i>Artocarpus integrifolia</i> Linn.	Phaanas
		10. <i>Morus alba</i> Linn.	Tut
		11. <i>Pilea microphylla</i> Liebm.	---
60	Casuarinaceae	1. <i>Casuarina equisetifolia</i> Forst.	Suru
61	Orchidaceae	1. <i>Bulbophyllum neilgherrense</i> Wight	---
		2. <i>Habenaria grandiflora</i> Lindl.	---
62	Scitamineae	1. <i>Globba bulbifera</i> Roxb.	---
		2. <i>Curcuma pseudomontana</i> Grah.	Sindarbar
		3. <i>Curcuma longa</i> Linn.	Halad
		4. <i>Zingiber cassumara</i> Roxb.	Malabari Halad
		5. <i>Costus speciosus</i> Smith	Kosht
		6. <i>Musa paradisiaca</i> Linn.	Kela
		7. <i>Heliconia metallica</i> Planch. & Linden.	---
63	Amaryllidaceae	1. <i>Curculigo orchoides</i> Gaertn.	---
		2. <i>Crinum asiaticum</i> Linn.	Nagdaun
		3. <i>Crinum latifolium</i> Linn.	---
		4. <i>Pancratium triflorum</i> Roxb.	---
		5. <i>Polianthes tuberosa</i> Linn.	Nishigandha
		6. <i>Agave sisalana</i> Perrine.	Chota Guial
64	Dioscoriaceae	1. <i>Dioscorea bulbifera</i> Linn.	Kadu Karanda
65	Liliaceae	1. <i>Asparagus racemosus</i> Willd.	Shatavari
		2. <i>Smilax macranthylla</i> Roxb.	Ghol Vel
		3. <i>Dracaena terniflora</i> Roxb.	---
		4. <i>Gloriosa superba</i> Linn.	Bachnag, Khadyanag

Sr. No.	Family	Name of the Plant	Local Name
65	Liliaceae (Continued)	5. <i>Scilla indica</i> Baker	—
		6. <i>Chlorophytum glaucum</i> Dalz.	—
		7. <i>Chlorophytum tuberosum</i> Baker	Kuli
		8. <i>Aloe vera</i> Linn.	Ghawpat
		9. <i>Allium cepa</i> Linn.	Kanda
		10. <i>Allium sativum</i> Linn.	Lasoon
66	Commelinaceae	1. <i>Commelina nudiflora</i> Linn.	Gandolgi
		2. <i>Commelina benghalensis</i> Linn.	—
		3. <i>Cyanotis tuberosa</i> Schultes	—
67	Palmae	1. <i>Phoenix sylvestris</i> Roxb.	Shindi
		2. <i>Caryota urens</i> Linn.	Shiv jata, Bherli Maad
		3. <i>Areca catechu</i> Linn.	Supari
		4. <i>Actinorhysis calapporia</i> H. Wendl.	Ram Supari
		5. <i>Oreodoxa regia</i> H. B. & K.	—
		6. <i>Borassus flabellifer</i> Linn.	Tadgola
		7. <i>Cocos nucifera</i> Linn.	Naral
68	Pandanaceae	1. <i>Pandanus tectorius</i> Soland.	Kewada
69	Typhaceae	1. <i>Typha angustata</i> Borv. & Chaub.	Pan Kanis
70	Araceae	1. <i>Pistia stratiotes</i> Linn.	—
		2. <i>Pothos aurea</i> Linden ex Andre	—
		3. <i>Colocasia antiaurum</i> Schult.	Alu
		4. <i>Caladium</i> sp.	—
		5. <i>Anthurium</i> sp.	—
		6. <i>Acorus calamus</i> Linn.	Vekhand
71	Lemnaceae	1. <i>Lemna gibba</i> Linn.	—
		2. <i>Wolffia michelii</i> Schield.	—
72	Eriocaulaceae	1. <i>Eriocaulon odoratum</i> Dalz.	—
		2. <i>Eriocaulon stellatum</i> Karn.	—
73	Cyperaceae	1. <i>Cyperus odoratus</i> Linn.	—
		2. <i>Cyperus rotundus</i> Linn.	Nagar Motha
74	Gramineae	1. <i>Pennisetum setosum</i> Rich.	—
		2. <i>Setaria plicata</i> T. Cooke	—
		3. <i>Panicum prostratum</i> Lamk.	Chimani Chara
		4. <i>Panicum proliferum</i> Lamk.	Borati
		5. <i>Andropogon foveolatus</i> Dalz.	Ghandel
		6. <i>Coix lachrymal—jobi</i> Linn.	Ran Jondhala
		7. <i>Eragrostis tenella</i> Roem.	Woya, Bakralu
		8. <i>Cynodon dactylon</i> Pers.	Hariali, Durva
		9. <i>Oriza sativa</i> Linn.	Rice
		10. <i>Bambusa arundinacea</i> Willd.	Kolak
		11. <i>Dendrocalamus strictus</i> Nees	Kania Bans
		12. <i>Zea mays</i> Linn.	Maka

monsoon. There were 376 species of Angiosperms recorded belonging to 74 different families. It was observed that the area is dominated by species of Angiosperms belonging to Malvaceae (15 Species), Leguminosae (35 Species), Rubiaceae (12 Species), Compositae (19 Species), Apocynaceae (10 Species), Convolvulaceae (11 Species), Solanaceae (14 Species), Acanthaceae (19 Species), Labiatae (10 Species), Euphorbiaceae (15 Species), Urticaceae (11 Species), Liliaceae (10 Species) and Graminae (Poaceae) (12 Species). There is a strong possibility of many of the species of Angiosperms from the area not placed on record due to inability to reach some of the pockets.

Dominance of these species may be correlated to the type and pH of the soil along with other environmental factors in the area. The soil samples collected showed that the soil in the area is black and clayey with average pH of 8.00 i.e. slightly alkaline. This type of soil along with the existing climatic conditions may be suitable for growth of members from the above mentioned families in the area to prove their ecological dominance.

CONCLUSION

All the parameters in the area along with floral diversity suggest that Mira – Bhayander area is a part of semi deciduous forest. The area has to be explored thoroughly, especially in excluded pockets; not only for diversity of Angiosperms

but also for diversity of various species of Algae, Fungi, Bryophytes, Pteridophytes and Gymnosperms along with Birds, Reptiles, Amphibians, Mammals etc. and it will prove to be one of the important green spots in Maharashtra.

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