

Survey of Plant Wealth of Akkalkot Tahsil District Solapur (MS).

Siddharth K. Murumkar

C. B. Khedgi's B. Science, R. V. Commerce, R. J. Arts College, Akkalkot. Dist. Solapur (M. S.)

Abstract

In the present investigation an effort was made to survey and enumeration the floristic wealth of Akkalkot Tahsil area, periodically. During the work 139 plant species were identified with the help of local informant and literature available i.e. -flora for their Botanical names, Authority, Local names and family habit wise. Akkalkot Tahsil area include a group of villages i.e. Hannur, Maindargi, Dudhani, Chungi, Bargaon, Waghdari along with small wadi's as Ruddewadi, Kallappawadi and Kiniwadi, of of Akkalkot Tahsil district- Solapur in Maharashtra. The Panchkroshi is a 'Manmade Green Pocket' in floristic approach It reminds that wealth, health, and culture of Indian are found in villages. It also emphasizes the fact that urban areas are solely dependant on villages not only for vegetables, grains, and milk but also for clean environment.

The dominant vegetation forming the green cover of the village include *Cocos nucifera* Linn., *Annona squamosa* Linn., *Annona reticulate* Linn., *Mangifera indica* Linn., *Balanites roxburghii*, *Vitex nugundo* Linn. *Euphorbia tirucalli* Linn, *Citrus medica* Linn., *Feronia elephantum* Corr., *Zizyphus jujube* Lamk., *Eugenia jambolana* Lamk., *Prosopis julifera*, *Leucaena leucocephala* Benth., *Albizia lebbek* Benth., *Acacia arabica* Willd., *Azadirachta indica* Juss., *Leonotis nepetifolia* R.Br., *Tamarindus indica* Linn., *Cassia auriculata* Linn., *Millingtonia hortensis* Linn., *Cryptostegia grandiflora* R.Br and *Calotropis procera* R.Br. These plants play an important role in maintaining healthy and eco-friendly environment. In the present investigation an effort was made to survey and enumeration of the floristic wealth of Panchkroshi area , periodically.

Key Words: Plant Wealth, Akkalkot Tahsil

I. Introduction

Akkalkot Tahsil area include a group of Many villages It reminds that wealth, health, and culture of Indian are found in villages. It also emphasizes the fact that urban areas are solely dependant on villages not only for vegetables, grains, and milk but also for clean environment. In the present investigation an effort was made to survey and enumeration of the floristic wealth of Panchkroshi area , periodically.

One very important tradition, observed during the investigation, is that, every villager plants a tree to commemorate the birth of child, marriage of a son or daughter and the sad demise of a family member. Noteworthy is that they take full care of the plant throughout life. Due to this healthy tradition, the vegetation of the village is flourishing day by day and becoming dense.

The dominant vegetation forming the green cover of the village include *Cocos nucifera* Linn., *Annona squamosa* Linn., *Annona reticulate* Linn., *Mangifera indica* Linn., *Balanites roxburghii*, *Vitex nugundo* Linn. *Euphorbia tirucalli* Linn, *Citrus medica* Linn., *Feronia elephantum* Corr., *Zizyphus jujube* Lamk., *Eugenia jambolana* Lamk., *Prosopis julifera*, *Leucaena leucocephala* Benth., *Albizia lebbek* Benth., *Acacia arabica* Willd., *Azadirachta indica* Juss., *Leonotis nepetifolia* R.Br., *Tamarindus indica* Linn., *Cassia auriculata* Linn., *Millingtonia hortensis* Linn., *Cryptostegia grandiflora* R.Br and *Calotropis procera* R.Br. These plants play an important role in maintaining healthy and eco-friendly environment.

II. Materials And Method

In present investigation Bimonthly Survey and collection of angiospermic plants were made during the year 2011. The observed plant species identification was done with the help of local and regional floras like Lakshminarsimhan and Sharma, 1991, Almeida, 1990, Shah, 1978, Cooke 1903, Naik, 1998, and Pradhan 1992. After collection & identification plants were preserved in the form of herbarium sheets. The characters of plants such as Habit, Local name, Botanical name, Authority, Family etc. were listed in the table.

III. Result And Discussion

During the work 139 plant species were identified with the help of local informant and literature available i.e. -flora for their Botanical names, Authority, Local names and family habit wise. (Table)

Habit wise categorizations were made as shown in the graph which shows highest number of Herbs while the number of climbers is comparatively less. The numbers of Trees in the area are also more than the shrubs.

HABIT WISE CLASSIFICATION

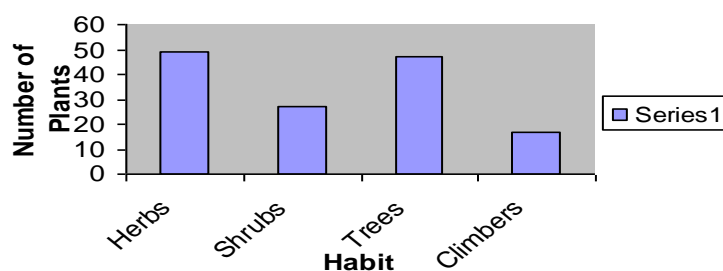


Table: Showing Listing of Habit Wise listing of Plants.

Sr.No	Botanical Name	Auth.	Local name	Habit	Family
1.	<i>Adathoda vasica,</i>	Nees	Adulsa	Shrub	Acanthaceae
2.	<i>Asteracantha longifolia,</i>	Nees	Talimkhana	Herb	Acanthaceae
3.	<i>Crossandra undulataefolia,</i>	Solisb	Aboli	Herb	Acanthaceae
4.	<i>Peristrophe bicalyculata,</i>	Nees		Herb	Acanthaceae
5.	<i>Achyranthus aspera,</i>	Linn	Aghada	Herb	Amaranthaceae
6.	<i>Celosia argentea,</i>	Linn	Kurdu	Herb	Amaranthaceae
7.	<i>Digera arvensis,</i>	Frosk	Tandulcha	Herb	Amaranthaceae
8.	<i>Amaranthus spinosus,</i>	Linn	Kante-math	Herb	Amaranthaceae
9.	<i>Amaranthus paniculatus,</i>	Linn	Rajgira	Herb	Amaranthaceae
10.	<i>Agave americana,</i>	Linn	Ghaipat	Herb	Amaryllidaceae
11.	<i>Alternanthera triandra,</i>	Lam	Kanchri	Herb	Amranthaceae
12.	<i>Mangifera indica,</i>	Linn.	Amba/Mango	Tree	Anacardiaceae
13.	<i>Polyalthia longifolia,</i>	Benth	Asok	Tree	Annonaceae
14.	<i>Annona squamosa,</i>	Linn	Sitaphal	Tree	Annonaceae
15.	<i>Annona reticulate,</i>	Linn	Ramphal	Tree	Annonaceae
16.	<i>Plumeria acutifolia,</i>	Poir	Pandhra-chapha	Tree	Apocynaceae
17.	<i>Alstonia scholaris,</i>	R.Br	Satvin	Tree	Apocynaceae
18.	<i>Cocos nucifera,</i>	Linn	Naryal	Tree	Arecaceae
19.	<i>Phoenix sylvestris,</i>	Roxb	Shindig	Tree	Arecaceae
20.	<i>Calotropis gigantea,</i>	R.Br.	Madar/ruir	Shrub	Asclepiadaceae
21.	<i>Calotropis procera,</i>	R.Br.	Rui	Shrub	Asclepiadaceae
22.	<i>Cryptostegia grandiflora,</i>	R.Br.	Vilayti-vakundi	Climber	Asclepiadaceae
23.	<i>Lagasca mollis,</i>	Cav	Jharvad	Herb	Asteraceae
24.	<i>Tridax procumbens,</i>	Linn	Tantani/ekdandi	Herb	Asteraceae
25.	<i>Tagetes erecta,</i>	Linn	African marigold	Herb	Asteraceae
26.	<i>Tagetes patula,</i>	Linn	French marigold	Herb	Asteraceae
27.	<i>Millingtonia hortensis,</i>	Linn	Buch	Tree	Bignoniaceae
28.	<i>Tecoma stans,</i>	Juss		Shrub	Bignoniaceae
29.	<i>Caesalpinia pulcherima,</i>	Swartz	Sankasur	Shrub	Caesalpinaceae
30.	<i>Cassia fistula,</i>	Linn	Bahava	Shrub	Caesalpinaceae
31.	<i>Cassia auriculata,</i>	Linn	Tarvad	Shrub	Caesalpinaceae
32.	<i>Cassia siamea,</i>	Lamk	Kasood	Shrub	Caesalpinaceae
33.	<i>Saraca indica,</i>	Linn	Sitecha-Asok	Tree	Caesalpinaceae
34.	<i>Tamarindus indica,</i>	Linn	Chinch	Tree	Caesalpinaceae
35.	<i>Bauhinia racemosa,</i>	Lamk	Apta	Tree	Caesalpinaceae
36.	<i>Delonix regia,</i>		Gul-mohar	Tree	Caesalpinaceae
37.	<i>Canna indica,</i>	Linn	Kardal	Herb	Cannaceae
38.	<i>Cleome viscosa,</i>	Linn	Pivli-tilwan	Herb	Capparidaceae
39.	<i>Gynandropsis pentaphylla,</i>	dc.prodr	Pandri-tilwan	Herb	Capparidaceae
40.	<i>Casuarina equisetifolia</i>	Forst	Suru	Tree	Casuarinaceae
41.	<i>Terminalia catappa,</i>	Linn	Deshi-badam	Tree	Combretaceae
42.	<i>Quisqualis indica,</i>	Linn	Ranunachavel/madhumalti	Climber	Combretaceae
43.	<i>Commelina benghalensis</i>	Linn	Kenpat	Herb	Commelinaceae
44.	<i>Ipomoea palmate</i>	Forsk	Garvel	Climber	Convolvulaceae
45.	<i>Ipomoea aquatica</i>	Forsk	Besharam	Shrub	Convolvulaceae
46.	<i>Momordica charantia,</i>	Linn	Karale	Climber	Cucurbitaceae
47.	<i>Luffa acutangula,</i>	Roxb	Dodka	Climber	Cucurbitaceae
48.	<i>Luffa cylindrica,</i>	Mill	Ghosale	Climber	Cucurbitaceae
49.	<i>Cucumis melo,</i>	Linn	Kharbuj	Climber	Cucurbitaceae
50.	<i>Citrullus vulgaris,</i>	Schrad	Tarbutj/kalingad	Climber	Cucurbitaceae
51.	<i>Coccinia indica,</i>	Wight	Tondli	Climber	Cucurbitaceae
52.	<i>Lagenaria vulgaris,</i>	Seringe	Dudhi-bhopla	Climber	Cucurbitaceae
53.	<i>Cucurbita maxima,</i>	Duchesne	Kaddu	Climber	Cucurbitaceae
54.	<i>Cucurbita pepo,</i>	DC	Kashibhopala	Climber	Cucurbitaceae

Survey of Plant Wealth of Akkalkot Tahsil District Solapur (MS).

55.	<i>Benicasa hispida,</i>	Savi	Kohala	Climber	Cucurbitaceae
56.	<i>Cucurbita moschata,</i>	Duchesne	Kalabhopala	Climber	Cucurbitaceae
57.	<i>Cyperus rotundus,</i>	Linn	Motha/nagar motha/lavala	Herb	Cyperaceae
58.	<i>Ricinus communis,</i>	Linn	Errand	Shrub	Euphorbiaceae
59.	<i>Putranjiva roxburghii,</i>	Wall	Putrangiva	Tree	Euphorbiaceae
60.	<i>Euphorbia tirucalli,</i>	Linn	Sher	Shrub	Euphorbiaceae
61.	<i>Euphorbia geniculata,</i>	Orteg	-	Herb	Euphorbiaceae
62.	<i>Euphorbia heterophylla,</i>	Linn	-	Herb	Euphorbiaceae
63.	<i>Euphorbia pulcherima,</i>	Willd	-	Herb	Euphorbiaceae
64.	<i>Euphorbia microphylla,</i>	Heyne	-	Herb	Euphorbiaceae
65.	<i>Euphorbia rosea,</i>	Retz	-	Herb	Euphorbiaceae
66.	<i>Phyllanthus emblica,</i>	Linn	Avla/amla	Tree	Euphorbiaceae
67.	<i>Phyllanthus niruri,</i>	Linn	Bhuiavali	Herb	Euphorbiaceae
68.	<i>Sansevieria zeylanica,</i>	Willd	Naghin	Herb	Haemodoraceae
69.	<i>Leucas longifolia,</i>	Benth	Dudhani	Herb	Lamiaceae
70.	<i>Ocimum sanctum,</i>	Linn	Tulas	Herb	Lamiaceae
71.	<i>Ocimum canum,</i>	Sims	Ran-tulsi	Herb	Lamiaceae
72.	<i>Ocimum basilicum,</i>	Linn	Sabja	Herb	Lamiaceae
73.	<i>Leonotis nepetifolia,</i>	R.Br	Dipmal/matisul	Shrub	Lamiaceae
74.	<i>Aloe vera,</i>	Linn	Korpad	Herb	Liliaceae
75.	<i>Lowsonia inermis,</i>	Linn.	Mendhi	Shrub	Lythraceae
76.	<i>Abutilon indicum,</i>	Sweet	Mudra/petari	Shrub	Malvaceae
77.	<i>Abutilon muticum</i>	Sweet	Kasili	Shrub	Malvaceae
78.	<i>Hibiscus rosa-sinensis</i>		Jasvand	Shrub	Malvaceae
79.	<i>Thespesia populnea,</i>	Soland	Bhendi-ke-jhar	Small tree	Malvaceae
80.	<i>Sida acuta</i>	Burm	Bala	Shrub	Malvaceae
81.	<i>Azadirachta indica,</i>	Juss	Nim	Tree	Meliaceae
82.	<i>Melia azedarach,</i>	Linn	Bakan-nimb	Tree	Meliaceae
83.	<i>Tinospora cordifolia,</i>	Miers	Gul-vel	Climber	Menispermaceae
84.	<i>Acacia arabica, var- Cupressiformis,Stewart</i>	Willd	Ramkanta	Tree	Mimosaceae
85.	<i>Acacia arabica,</i>	Willd	Babhul	Tree	Mimosaceae
86.	<i>Prosopis spicigera,</i>	Linn	Saundad	Tree	Mimosaceae
87.	<i>Pithecolobium dulce,</i>	Benth	Vilayti-chinch	Tree	Mimosaceae
88.	<i>Mimosa pudica,</i>	Linn	Lajalu	Herb	Mimosaceae
89.	<i>Albizia lebbek,</i>	Benth	Siras	Tree	Mimosaceae
90.	<i>Leucaena leucocephala,</i>	Benth	Subabul	Tree	Mimosaceae
91.	<i>Prosopis julifera,</i>		Vedi-babul	Small-tree	Mimosaceae
92.	<i>Moringa pterygosperma,</i>		Shevga	Tree	Moringaceae
93.	<i>Musa paradisiaca,</i>	Linn	Kel	Herb	Musaceae
94.	<i>Psidium guyava,</i>	Linn.	Jamb/Peru	Tree	Myrtaceae
95.	<i>Eugenia jambolana,</i>	Lamk	Jambhal	Tree	Myrtaceae
96.	<i>Boerhaavia diffusa,</i>	Willd	Punarnava	Herb	Nyctaginaceae
97.	<i>Bougainvillea spectabilis,</i>	Willd	Bougain-vel	Climber	Nyctaginaceae
98.	<i>Mirabilis jalapa,</i>	Linn	Gulbakshi	Herb	Nyctaginaceae
99.	<i>Argemone mexicana,</i>	Linn	Pivla-dhotara/bilayat	Herb	Papavaraceae
100.	<i>Medicago sativa,</i>	Linn.	Lasan-ghas	Herb	Papilionaceae
101.	<i>Cyamopsis psoralioides,</i>	Dc.	Gavari	Herb	Papilionaceae
102.	<i>Indigofera cordifolia,</i>	Heyne.	Godadi/Bechka	Herb	Papilionaceae
103.	<i>Indigofera linifolia,</i>	Retz.	Pandarphalli	Herb	Papilionaceae
104.	<i>Tephrosia purpurea,</i>	Pers.	Unhali	Shrub	Papilionaceae
105.	<i>Sesbania sesban,</i>	Pers	Sevari	Shrub	Papilionaceae
106.	<i>Dalbergia sisso,</i>	Roxb	Sisav/shisam	Tree	Papilionaceae
107.	<i>Erythrina indica,</i>	Lamk	Pangara	Tree	Papilionaceae
108.	<i>Clitoria ternatea,</i>	Linn	Gokarn	Climber	Papilionaceae
109.	<i>Pongamia glabra,</i>	Vent	Karanj	Tree	Papilionaceae
110.	<i>Carica papaya,</i>	Linn	Papaya	Shrub	Passifloraceae
111.	<i>Setaria glauca,</i>	Beauv	Chikta	Herb	Poaceae
112.	<i>Cynodon dactylon,</i>	Pers	Hariali	Herb	Poaceae
113.	<i>Bambus bambusa,</i>		Bamboo	Tree	Poaceae
114.	<i>Portulaca oleracea,</i>	Linn	Ghol	Herb	Portulacaceae
115.	<i>Zizyphus jujube,</i>	Lamk	Ber	Tree	Rhamnaceae
116.	<i>Feronia elephantum,</i>	Corr	Kavath	Tree	Rutaceae
117.	<i>Aegle marmelos,</i>	Corr	Bel	Tree	Rutaceae
118.	<i>Murraya koenigii,</i>	Spreng	Kadhi-nim	Small-tree	Rutaceae
119.	<i>Citrus medica,</i>	Linn	Limbu	Small-tree	Rutaceae
120.	<i>Santalum album,</i>	Linn	Chandan	Tree	Santalaceae
121.	<i>Balanites roxburghii,</i>		Hingu/hinganbet	Small-tree	Simarubiaceae
122.	<i>Solanum nigrum,</i>	Linn	Kanguni	Herb	Solanaceae
123.	<i>Solanum xanthocarpum,</i>	Schrad&wendl	Kateringani/ bhuringani	Herb	Solanaceae

Survey of Plant Wealth of Akkalkot Tahsil District Solapur (MS).

124.	<i>Withania somnifera,</i>	Dunal	Ashvagandha	Shrub	Solanaceae
125.	<i>Typha angustata,</i>		Pan-kanis	Rhizomatus herb	Typhaceae
126.	<i>Morus alba,</i>	Linn	Tuti	Tree	Urticaceae
127.	<i>Ficus religiosa,</i>	Linn	Papal	Tree	Urticaceae
128.	<i>Ficus glomerata,</i>	Roxb	Umber	Tree	Urticaceae
129.	<i>Ficus bengalensis,</i>	Linn	Wad	Tree	Urticaceae
130.	<i>Duranta plumieri,</i>	Jacq	Duranta	Shrub	Verbenaceae
131.	<i>Vitex nugundo,</i>	Linn	Nirgud	Shrub	Verbenaceae
132.	<i>Tectona grandis</i>	Linn	Sag/sagwan	Tree	Verbenaceae
133.	<i>Lantana camera,</i>	Linn	Tantani/Ganeri	Shrub	Verbenaceae
134.	<i>Tribulus terrestris,</i>	Linn	Sarata	Herb	Zygophyllaceae
135.	<i>Jatropha curcas</i>	Linn	Mogali-Eranda	Shrub	Euphorbiaceae
136.	<i>Jatropha gossypifolia</i>	Linn	Parshi-Eranda	Shrub	Euphorbiaceae
137.	<i>Acacia auriculiformis</i>		Austrilian Acacia	Tree	Mimosaceae
138.	<i>Xanthium strumarium</i>	Linn	Gokaru/shankeshvar	Herb	Asteraceae
139.	<i>Physalis minima</i>	linn	Ran-popati	Herb	Solanaceae

References

- [1]. Almeida, S.M. 1990. The Flora of Savantwadi. Scientific Publishers Jodhpur.
- [2]. Cooke T. 1903. Flora of the Presidency of Bombay, Volume I, II, III. Botanical Survey of India Calcutta.
- [3]. Lakshminarsimhan, P. and Sharma, B.D. 1991. Flora of Nasik District, BSI Calcutta.
- [4]. Naik, V.N. 1998. Flora of Marathwada. Volume I, II. Amrut Prakashan, Aurangabad.
- [5]. Pradhan, S.G. 1992. The Flora of Ahmednagar District.
- [6]. Shah, G. L. 1978. Flora of Gujarat, Vol. I & II, S.P. University, Villabh Vidyanagar.