Short Communication

Check list of medicinal plants from Navapur, district Nandurbar (Maharashtra State), India

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Abstract

Nandurbar is known as predominantly tribal district in Maharashtra. More than 80% population of the district is tribal. While studding flora of medicinal plants of Navapur Area, Navapur taluka author collected one hundred and fifty-eight medicinal plants. In this communication these medicinal plants were listed.

Key words:

Medicinal Plants, Navapur, Nandurbar district

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Introduction

Nandurbar is known as predominantly tribal district in Maharashtra. More than 80% population of the district is of tribals. These tribals reside small Padas in the interior forest areas. These tribals mostly depend on the forest resources to fulfill their day-to-day basic needs. Traditionally they depend upon local herbal medicine man for the treatment of various diseases. These local medicines man known by various names as Viadu, Bahagat etc. This local medicine man knows very well about the medicinal properties of plants present in surrounding area. They have well preserved the valuable treasure of knowledge for generations. But encroachment of modern facilities has put at risk this valuable knowledge. Young generation seem to be indifferent to this rich medicinal heritage being on the verge of extinction. Author made the collection of medicinal plants that are found in the Navapur Area of the Navapur

taluka. Author also made the list of the names of such plant in local language. Total 158 medicinal plants were listed.

Methodology

Specimens of medicinal plants were collected in different sessions from Navapur area of Navapur taluka of Nandurbar district. These specimens were preserved in the Department of Botany. Plants were identified with the help of standard flora and research articles available Bhattacharjee (2000), Kurian (2003), Lakshminarasimhan and Sharma (1991), Matthew (1988), Parker (1924), Zingare (2012). Along with botanical name and family of each plant name in vernacular language is also coated. In all 158 medicinal plants have been identified and their quantitative abundance in the forest area has also been therein listed (Table 1). During collection field diary was maintained.

Table 1. List of medicinal plants, family, vernacular name and quantitative abundance.

Sl. No.	Botanical Name	Family	Local name in vernacular Language	Quantitative abundance
01	<i>Prosopis spicigera</i> Linn.	Fabaceae	Himbadi	C
02	<i>Ficus tsiela</i> Rlees	Moraceae	Pimpri	RC
03	<i>Jatropha gossypifolia</i> Linn.	Euphorbiaceae	Roturondo	C
04	<i>Zizyphus oenopila</i> Mill	Rhamnaceae	Chambor	C
05	<i>Mentha viridis</i> Linn.	Lamiaceae	Pudina	C
06	<i>Butea monosperma</i> (Lam.) Taub	Fabaceae	Palash	RC
07	<i>Moringa concanensis</i> Nimmo	Moringaceae	Kodwohevg	C
08	<i>Convolvulus microphyllus</i> Linn.	Convolvulaceae	Lepdi	VR
09	<i>Sesamum indicum</i> Linn.	Pedaliaceae	Tili	R
10	<i>Gossypium herbaceum</i> Linn.	Malvaceae	Kapasyo	VC
11	<i>Pueraria tuberosa</i> DC	Fabaceae	Aadkuvo	RR
12	<i>Clitoria biflora</i> Dalzell	Fabaceae	Charo	RR
13	<i>Clitoria ternatea</i> L.	Fabaceae	Kudo pano	C
14	<i>Cissus quadrangularis</i>	Vitaceae	Kandvel	RR
15	<i>Wrightia arborea</i> L.	Apocynaceae	Dudh-kudi	RR
16	<i>Actinopeteris radiata</i> Bedd	Pteridophyte	Bhuitad	RC
17	<i>Rungia pectinata</i> L.	Acanthaceae	Pindi	RC
18	<i>Barleria gibsoni</i> L.	Acanthaceae	Suruchikadi	VC
19	<i>Pergularia daemia</i> (Forssk.) Chiov.	Asclepidaceae	Vishv	R
20	<i>Tamarindus indica</i> L.	Fabaceae	Khate emli	VC
21	<i>Phyllanthus emblica</i> L.	Phyllanthaceae	Avale	VC
22	<i>Vachellia nilotica</i> (L.) P.J.Hurter & Mabb	Fabaceae		RC
23	<i>Crocus sativus</i> L.	Iridaceae	Kesaro	RC
24	<i>Calatropis gigantea</i> R.Br.	Asclepidaceae	Ruwandi	VC
25	<i>Salmalia malabarica</i> Sch. Et. Endt.	Bombaceae	Hawari	RC
26	<i>Eclipta alba</i> Haask	Asteraceae	Mako	RC
27	<i>Mucuna pruriens</i> DC	Fabaceae	Khojlo	RR
28	<i>Celosia argentea</i> Linn.	Amaranthaceae	Ukhrudo	VC
29	<i>Ricinus communis</i> Linn.	Euphorbiaceae	Oondoo	VC
30	<i>Biophytum sensitivum</i> DC	Oxalidaceae	Lajwalyo	RR
31	<i>Tinospora cordifolia</i> Miers	Menispermaceae	Kambanya velgo	VC
32	<i>Melia azedarach</i> Linn.	Meliaceae	Bakanyo	C
33	<i>Momordica charantia</i> Linn.	Cucurbitaceae	Karle	RC
34	<i>Urginea indica</i> Kunth	Liliaceae	Janglikando	C
35	<i>Hibiscus esculentus</i> Linn.	Malvaceae	Pende	C
36	<i>Acacia catechu</i> Willd	Fabaceae	Kati	RC
37	<i>Citrus medica</i> Linn.	Rutaceae	Nimbavi	C
38	<i>Argemone mexicana</i> Linn.	Papaveraceae	Unahylo	VC
39	<i>Cissus quadrangularis</i> Linn.	Vitaceae	Lagwel	RR
40	<i>Coriandrum sativum</i> Linn.	Apiaceae	Khonthbhuro	VC
41	<i>Annona squamosa</i> Linn.	Annonaceae	Satifol	RR
42	<i>Holarrhena antidysenterica</i> Wall	Apocynaceae	Doodkavdo	RR
43	<i>Solanum xanthocarpum</i> Schrad & Wendl	Solanaceae	Ringno	VC
44	<i>Ailanthus excels</i> Roxb	Simaroubaceae	Worulo	C
45	<i>Cordia dichotoma</i> Forst	Boraginaceae	Hetli	RC
46	<i>Carica papaya</i> Linn.	Caricaceae	Herun kakdi	C
47	<i>Lawsonia inermis</i> Linn.	Lythraceae	Mehadi	RR
48	<i>Terminalia belerica</i> Roxb.	Combretaceae	Bedo	VC
49	<i>Vitex negundo</i> Linn.	Lamiaceae	Nirgudi	VC
50	<i>Coleus aromaticus</i> Benth	Lamiaceae	Pan-ajma	VC
51	<i>Vigna trilobata</i> Verde	Fabaceae	Merchi kand	RC
52	<i>Triumfetta rotundifolia</i> Lam.	Tiliaceae	Chikatyo	RR
53	<i>Aldhatoda vasica</i> Nees	Acanthaceae	Ardusoo	VC
54	<i>Commelina benghalensis</i> Linn.	Commelinaceae	Kenyo	VC
55	<i>Pongamia pinnata</i> Pierre	Fabaceae	Konji	VC

Table 1. Contd...

56	<i>Ficus religiosa</i> Linn.	Moraceae	Piplo	C
57	<i>Tridax procumbens</i> Linn.	Asteraceae	Kodkya khod	VC
58	<i>Achyranthes aspera</i> Linn.	Amaranthaceae	Chinjudo	VC
59	<i>Gardenia turgida</i> Roxb.	Rubiaceae	Gungudo	VC
60	<i>Syzygium cumini</i> Skeels	Myrtaceae	Hori	RR
61	<i>Phyllanthus niruri</i> L.	Phyllanthaceae	Bhui avli	C
62	<i>Ischaemum pilosum</i> Wight	Poaceae	Khoo	RR
63	<i>Withania somnifera</i> Dunal	Solanaceae	Dolaro	RC
64	<i>Cucumis trigonus</i> Roxb	Cucurbitaceae	Hapkachro	RR
65	<i>Musa paradisiaca</i> Linn.	Musaceae	Kelo	RC
66	<i>Aegle marmelos</i> Correa	Rutaceae	Bili	C
67	<i>Zingiber officinale</i> Rose	Zingiberaceae	Aadrek	RR
68	<i>Mangifera indica</i> Linn.	Anacardiaceae	Ambo	C
69	<i>Tribulus terrestris</i> Linn.	Zygophyllaceae	Gokhro	C
70	<i>Limonia acidissima</i> L.	Rutaceae	Kawthi	RR
71	<i>Abrus precatorius</i> Linn.	Fabaceae	Tingle	C
72	<i>Bauhinia racemosa</i> Lam	Fabaceae	Hanglo	C
73	<i>Ocimum basilicum</i> Linn.	Lamiaceae	Morvo	VC
74	<i>Aloe barbadensis</i> Mill	Liliaceae	Detki	VC
75	<i>Tephrosia villosa</i> Pers	Fabaceae	Unhali	RR
76	<i>Corchorus fascicularis</i> Linn	Malvaceae	Hano chiktiyo	RR
77	<i>Cynodon dactylon</i> Pers	Poaceae	Dorudo	RR
78	<i>Boerhaavia chinensis</i> Aschers	Nyctaginaceae	Dogodfodyo	VR
79	<i>Cyperus rotundus</i> Linn	Cyperaceae	Gundyo	VR
80	<i>Kalanchoe pinnata</i> Pers	Crassulaceae	Lagpan	RR
81	<i>Caesalpinia crista</i> Linn.	Fabaceae	Kachko	C
82	<i>Martynia annua</i> Linn.	Martyniaceae	Waghnokhyo	C
83	<i>Cymbopogon citrates</i> Stapf	Poaceae	Govati chha	C
84	<i>Cocculus hirsutus</i> Diels	Menispermaceae	Vasano	RR
85	<i>Ocimum sanctum</i> Linn.	Lamiaceae	Lali tulsi	C
86	<i>Ocimum gratissimum</i> Linn.	Lamiaceae	Ran tulsi	C
87	<i>Xanthium stromarium</i> Linn.	Asteraceae	Cholyo	RC
88	<i>Enicostemma littorale</i> Blume	Gentianaceae	Kodvinay	C
89	<i>Cassia tora</i> Linn.	Fabaceae	Hano povadyo	RR
90	<i>Delonix elata</i> Gamble	Fabaceae	Honuro	VR
91	<i>Barleria prionitis</i> Linn.	Acanthaceae	Katchiri	C
92	<i>Dolichandrone falcata</i> Seem	Bignoniaceae	Menhingi	RC
93	<i>Sorghum vulgare</i> Pers	Poaceae	Hybridjuvha	C
94	<i>Psoralea corylifolia</i> Linn.	Fabaceae	Bapchyo	RC
95	<i>Vicoa indica</i> DC	Asteraceae	Mukhra	RC
96	<i>Dalbergia latifolia</i> Roxb	Fabaceae	Chichmo	C
97	<i>Clerodendron phlomidis</i> Linn.	Lamiaceae	Orni	RR
98	<i>Punica granatum</i> Linn.	Lythraceae	Dalimbo	C
99	<i>Cassia auriculata</i> Linn.	Fabaceae	Chamar avli	C
100	<i>Eleusine coracana</i> Gaertn	Poaceae	Nagli	C
101	<i>Cleome viscosa</i> Linn.	Cleomaceae	Bero	VC
102	<i>Hibiscus rosa-sinensis</i> Linn.	Malvaceae	Jaswandi	C
103	<i>Luffa acutangula</i> Roxb	Cucurbitaceae	Kodvo dotko	C
104	<i>Cajanus cajan</i> Mill	Fabaceae	Tuvi	C
105	<i>Bryonopsis lanciniosa</i> Naud	Cucurbitaceae	Kabrodovo	RC
106	<i>Trichodesma indicum</i> R.Br.	Boraginaceae	Agyokhod	RC
107	<i>Holoptelea integrifolia</i> Planch	Ulmaceae	Papdyo	R
108	<i>Terminalia arjuna</i> W.& A.	Combretaceae	Bhuro hojudo	C
109	<i>Ficus recemosa</i> Linn.	Moraceae	Umbro	R
110	<i>Operculina turpethum</i> Sliva	Convolvulaceae	Tindari	R
111	<i>Uraria picta</i> Desv	Fabaceae	Vandrorshepteoyo	RR
112	<i>Stereospermum suaveolens</i> DC	Verbenaceae	Padlo	RC
113	<i>Rungia repens</i> Nees	Acanthaceae	Zunjoo	RC
114	<i>Madhuca indica</i> Roxb	Sapotaceae	Mov	C
115	<i>Cymbopogon martinii</i>	Poaceae	Rohiso	RR

Table 1. Contd...

116	<i>Orthosiphon pallidus</i> Royle	Lamiaceae	Sonyo	RR
117	<i>Cuscuta reflexa</i> Roxb	Convolvulaceae	Devoatte	RR
118	<i>Ficus hispida</i> Linn.	Moraceae	Tedgi umbari	RC
119	<i>Psidium guajava</i> Linn.	Myrtaceae	Jam	C
120	<i>Hemidesmus indicus</i> R.Br.	Apocynaceae	Adgudi	RR
121	<i>Coccinia indica</i> W & A	Cucurbitaceae	Kodvo todlo	RC
122	<i>Allium sativum</i> Linn.	Amarylidaceae	Gondalo	C
123	<i>Allium cepa</i> Linn.	Amarylidaceae	Kando	C
124	<i>Lagenaria vulgaris</i> Seringe	Cucurbitaceae	Dudiyo	VR
125	<i>Phaseolus trilobus</i> Ait	Fabaceae	Ranmugyo	C
126	<i>Aristolochia bracteata</i> Retz	Aristolochiaceae	Geedan	RC
127	<i>Solanum verbascifolium</i> Linn.	Solanaceae	Ranvengo	RR
128	<i>Cucurbita maxima</i> Duch	Cucurbitaceae	Kolo	C
129	<i>Cyamopsis tetragonoloba</i> Taub	Fabaceae	Gorwaya	VR
130	<i>Baliospermum montanum</i> Muell	Euphorbiaceae	Daty	R
131	<i>Apluda mutica</i> Linn.	Poaceae	Tilkhodo	RR
132	<i>Crataeva nurvala</i> Ham	Capparidaceae	Yayro	RC
133	<i>Morinda tinctoria</i> Roxb	Rubiaceae	Aali	RC
134	<i>Azadirachata indica</i> A.Juss	Meliaceae	Nimbo	C
135	<i>Costus speciosus</i> Smith	Costaceae	Pevo	RC
136	<i>Tectona grandis</i> Linn.	Verbanaceae	Hag	C
137	<i>Woodfordia fruticosa</i> Kurz	Lythraceae	Pecheri	C
138	<i>Echinops echinatus</i> Roxb	Asteraceae	Ubkatyo	VC
139	<i>Cressa cretica</i> Linn.	Convolvulaceae	Ranchano	VC
140	<i>Solanum lycopersicum</i> Linn.	Solanaceae	Tamato	VC
141	<i>Cucumis melo</i> Linn.	Cucurbitaceae	Chibado	C
142	<i>Corchorus capsularia</i> Linn	Malvaceae	Ranchucho	RC
143	<i>Asteracantha longifolia</i> Nees	Acanthaceae	Agnikatyo	RC
144	<i>Boswellia serrata</i> Roxb.	Burseraceae	Gugulo	VVR
145	<i>Hibiscus cannabinus</i> Linn.	Malvaceae	Khato pendo	VC
146	<i>Portulaca oleraceae</i> Linn.	Portulacaceae	Khatgolo	VC
147	<i>Trichosanthes palmata</i> Roxb.	Cucurbitaceae	Rankharbujo	R
148	<i>Grenia tiliaefolia</i> Vahl.	Malvaceae	Tamno	RR
149	<i>Erythrina variegata</i> Linn.	Fabaceae	Pangro	RR
150	<i>Garuga pinnata</i> Roxb.	Burseraceae	Kakud	RC
151	<i>Polycarpoea corymbosa</i> Lam.	Caryophyllaceae	Pandhriphuli	RR
152	<i>Cassia fistula</i> Linn.	Fabaceae	Cerwalo	C
153	<i>Erythrina corallodendron</i> L.	Fabaceae	Lal phulo	RC
154	<i>Aloe vera</i> (L) Burm.f.	Asphodelaceae	Korpad	VC
155	<i>Asparagus racemosus</i> Willd	Asparagaceae	Shatur	RC
157	<i>Cassia fistula</i> L.	Fabaceae	Cha	RR
158	<i>Pongamea pinnata</i> L.	Fabaceae	Gro pattoo	C

Abbreviations used for quantitative abundance:

C-Common, RC-Rather Common, VC-Very Common, R-Rare, RR-Rather Rare, VR-Very Rare, VVR-Very Very Rare.

Results

In all 158 medicinal plants were identified from the study area. This finding will certainly help to make further research in the field of medicine, pharmacognosy and ethno botany.

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