



## **Current data updated of local wild plants of Kalmeshwar Tahsil**

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### **Abstract**

An ethno botanical survey was carried out during the session 2019-2022 at kalmeshwar semi forest area. A study were carried out throughout seasons in the same year, the ethno botanical information of plants were collected from local people through personal visit. The collected plants species were identified with the help of flora of Nagpur and flora of Maharashtra. There are 80 plant species belonging to 39 families were found. The most of the plant species have perform the major role of medicinal value on some diseases. Therefore it could be essential to detail works of these plants.

**Key words:** Plants species , local people, flora

### **Introduction:**

The Indian system of medicine is of great value and it is one of the most ancient medicine. According to Ayurveda, health is an indication of normal biological processes which would help to maintain mental and physical alertness and happiness (Goel, A. and Sharma, K.2013). Treatment of diseases means uses of drugs, control of diet and also involves practices for recovery of health. In India, many indigenous plants are used in herbal medicine to cure diseases and heal injuries. The active principles differ from plants to plant due to their diverse habitat and environment (Lingaiah, M. and Nagaraja, R.P. 2013).

### **Material and Methods:**

The study was conducted during session 2019-2022 in kalmeshwar near by locality. The Kalmeshwar is situated at 21.23° North latitude, 78.9° East longitude. The vegetation of the area is of mix and diverse have some common plant species. The data were collected and compared with flora of Nagpur district (Ugemuge, N. R. (1986); Katiyar, S. R. (2005); Acharya RM (1985); Singh, N.P. and Karthikeyan, S. (2000); Almeida, M.R. (1996, 1998, 2001, 2003) and Ambasta, S.P. (1999).



### **Results discussion:**

During the present study, ethnomedicinal data of 80 plant species belonging to 39 families were recorded. Information regarding their botanical name, vernacular name, family, and their ethnomedicinal uses are noted. The numbers of plant species were multipurpose used like as a deficiency, vitamins, diseases, wound healing, skin diseases. The useful plant part and method were studied from local people, traditional healer and vaidu people through the survey ( Lingaiah, M.,Nagaraja, R.P. (2013); Kirtikar, K.R. and Basu, B.D. (1975). List of plants and there uses are listed in table.

### **Conclusion:**

Present survey revealed that a number of medicinal wild plant species are used by indigenous people on various ailments. In present scenario indigenous community still relies on traditional medicine although; the modern health-care services are available, which indicates the significance of plant based traditional methods. Our study provided the baseline data to establish a connection between the traditional health practioners and scientific communities, which could be substantial in novel drug discovery. Furthermore, ethnobotanical data is of significant value for conservation purpose for sustainable management of medicinal plant species, which are under threat due to over human activities.

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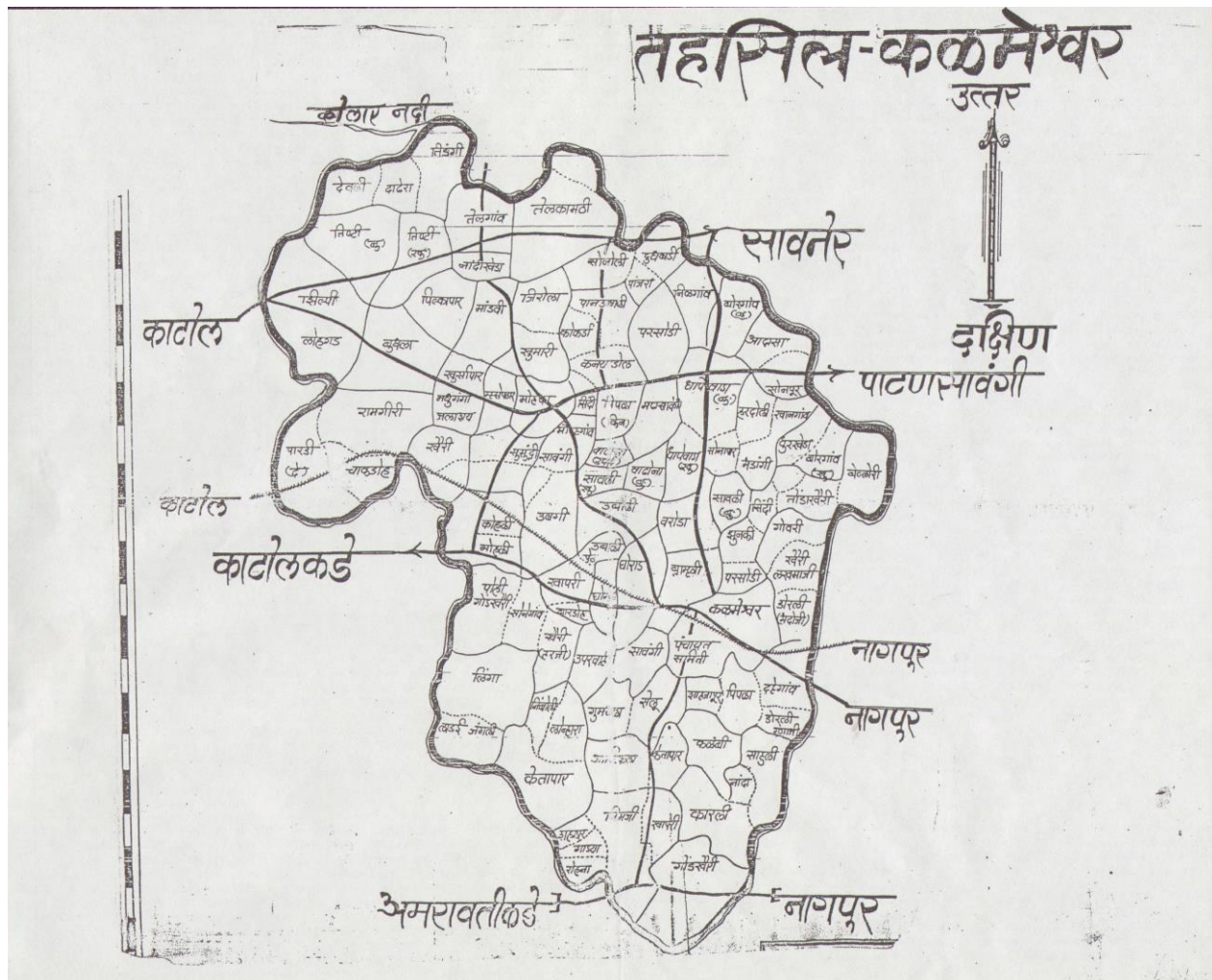


Table - Survey of wild annual plant species

Sr.No.	Botanical name	Local name	Family	Uses
1.	<i>Abutilon indicum</i>	Petari	Malvaceae	Inflammatory
2.	<i>Alysicarpus monilifer</i>	Buffalov fodder	Fabaceae	Stomach ache

3.	<i>Acalypha indica</i>	Kuppi	Euphorbiceae	Asthma
4.	<i>Achyranthes aspera</i>	Aghada	Amaranthaceae	Anemia
5.	<i>Aaerva lanata</i>	Kapur madhuri	Amaranthaceae	Diabetes
6.	<i>Ageratum conyzoids</i>	Ghanera	Asteraceae	Wound and burn
7.	<i>Alysicarpus monilifer</i>	Shevora	Fabaceae	Animal fodder
8.	<i>Amaranthus species</i>	Chavali	Amaranthaceae	Vegetable
9.	<i>Amorphophallus paeoniifolius</i>	Surand	Araceae	Vegetable
10.	<i>Andrographis paniculata</i>	Kalmegh	Acanthaceae	Fever
11.	<i>Argemone mexican</i>	Piwala dhotara	Papaveraceae	Wound healing
12.	<i>Argyreia nervosa</i>	Wardhara	Convolvulaceae	Obesity
13.	<i>Asteracantha longifolia</i>	Talim khan	Acanthaceae	Diabetes
14.	<i>Biophytum candolleianum</i>	Mukkuti	Oxalidaceae	Wound healing
15.	<i>Blumea lacera</i>	Bhumardo	Asteraceae	Anti-inflammatory
16.	<i>Boerhavia diffusa</i>	Punarnava	Nyctaginaceae	Anti-inflammatory
17.	<i>Cardiospermum helicacabum</i>	Kapadfodi	Sapindaceae	Vegetable
18.	<i>Cassia tora</i>	Tarota	Fabaceae	Diabetes
19.	<i>Calatropis procera</i>	Rui	Asclepiadaceae	Woundhealing
20.	<i>Celosia isertii</i>	Kombda	Amaranthaceae	Diarrhoea
21.	<i>Centella asiatica</i>	Bramhi	Apiaceae	Memory stimulant
22.	<i>Chaenopodium album</i>	Chakwat	Amaranthaceae	Rheumatism
23.	<i>Ceropegia bulbosa</i>	Gayala	Apocyanaceae	Cardiac problem
24.	<i>Cleome viscosa</i>	Piwala tilvan	Cleomaceae	Rheumatism
25.	<i>Cleome gynandra</i>	Pandhari tilvan	Cleomaceae	Antioxidative properties
26.	<i>Chenopodium album</i>	Chawkwat	Chenopodiaceae	Bloodpurifier
27.	<i>Commelina benghalensis</i>	Kena	Commelinaceae	Sore throat
28.	<i>Convovulus species</i>	-----	Convolvulaceae	Jaundice
29.	<i>Curcuma longa</i>	Haldi	Zinziberaceae	Antibacterial, Wound healing
30.	<i>Cyanodon dactylon.</i>	Harari	Poaceae	Astringent
31.	<i>Cyprus rotundus</i>	Nagarmota	Cyperaceae	Astringent, Appetizer
32.	<i>Desmodium gangeticum</i>	Anshumati	Fabaceae	Antioxidant
33.	<i>Digera muricata</i>	Gethan	Amaranthaceae	Urinary disorders
34.	<i>Diplocyclus palmatus</i>	Shivlingi	Cucurbitaceae	Gynecological
35.	<i>Dioscorea sp.</i>	Mataru	Dioscoreaceae	Vegetable
36.	<i>Dhatura innoxia</i>	Dhatura	Solanaceae	Pain
37.	<i>Dhatura metel</i>	Kala dhatura	Solanaceae	Pain
38.	<i>Euphorbia geniculata</i>	Dudhi	Euphorbiaceae	Jaundice
39.	<i>Euphorbia hirta</i>	Dudhi	Euphorbiaceae	Medicine
40.	<i>Eclipta prostrata</i>	Bhrungraj	Asteraceae	Hair problem
41.	<i>Enicostema axillare</i>	Chota chirayat	Gentianaceae	Ulcer,rheumatism
42.	<i>Echinops echinatus</i>	-----	Asteraceae	Sexual problem
42.	<i>Evolvulus alsinoides</i>	Shankhvel	Convolvulaceae	Leucoderma
44.	<i>Hemidesmus indicus</i>	Anantmul	Asclepidaceae	Tonic
45.	<i>Hyptis conyzoids</i>	Vilaychi tulasi	Lamiaceae	Aromatic oil
46.	<i>Indigofera aspalathoides</i>	Neel	Fabaceae	Dye
47.	<i>Leucas aspera</i>	Tamba	Lamiaceae	Antioxidant
48.	<i>Launaea procumbens</i>	Pathari	Asteraceae	Rheumatism
49.	<i>Malachra capitata</i>	Vilayati Bhendi	Malvaceae	Stomachache
50.	<i>Martynia annua</i>	Wagnakhi	Martyniaceae	Burn
51.	<i>Mucuna puriens</i>	Khajkhujali	Leguminosae	Fracture
52.	<i>Ocimum sp.</i>	Tulsi	Lamiaceae	Fewer
53.	<i>Oxalis corniculata</i>	Ambroti	Oxalidaceae	Anthelmintic
54.	<i>Phyllanthus niruri</i>	Bhuiawala	Phyllanthaceae	Jaundice

55.	<i>Physalis minima</i>	Chirboti	Solanaceae	Anthelmintic
56.	<i>Polygonum glabrum</i>	Sheral	Polygonaceae	Jaundice
57.	<i>Polygala elongata</i>	Gulpankhi	Polygonaceae	Animal fodder
58.	<i>Portulaca oleracea</i>	Gholbhaji	Portulacaceae	Vegetables, wound
59.	<i>Pavonia odorata</i>	Sugandha bala	Malvaceae	Astringent, antipyretic
60.	<i>Psida acuta</i>	Bal	Malvaceae	Headache
61.	<i>Psida cordata</i>	Bhumi	Malvaceae	Anti-inflammation
62.	<i>Rungia pectinata</i>	Sut	Acanthaceae	Pain
63.	<i>Rungia repens</i>	Ghati	Acanthaceae	antiinflammatory
64.	<i>Smithia sensitive</i>	Kawala	Fabaceae	Vegetable
65.	<i>Solanum xanthocarpon</i>	Jangali wange	Solanaceae	Vegetable
66.	<i>Solanum nigrum</i>	Kangani	Solanaceae	Cough
67.	<i>Spilanthes paniculata</i>	Akarkara	Asteraceae	Toothpain
68.	<i>Striga densiflora</i>	Bambakko	Orobanchaceae	Vegetable
69.	<i>Smilax Zeylanica</i>	Ghotwel	Smilacaceae	Ulcer
70.	<i>Taraxacum officinales</i>	Bathhur	Asteraceae	Antidiabetic
71.	<i>Tinospora cardifolia</i>	Gulvel	Menispermaceae	Antiviral
72.	<i>Tricodesma indica</i>	Chota kalpa	Boragenaceae	Skin irritations
73.	<i>Tridax procumbens</i>	Kambadmodi	Asteraceae	Wound
74.	<i>Tribulus terrestris</i>	Sarata	Zygophyllaceae	Immuno system
75.	<i>Trianthema portulacastrum</i>	Pandhari gheturi	-----	Stomach ache
76.	<i>Tephrosia purpurea</i>	Sharpunkha	Fabaceae	Tumor, asthma,liver
77.	<i>Typha angustifolia</i>	Pan kanis	Typhaceae	Ulcer, woundheal
78.	<i>Vernonia calneria</i>	Sahadevi	Asteraceae	Medicine
79.	<i>Waltheria indica</i>	---	Sterculiaceae	Medicine
80.	<i>Xanthium strumarium</i>	Gokhru	Asteraceae	Antirheumatic