

# **Ethnomedicinal Plantlore of Udgirand Jalkot Tehsils of Latur District in the Marathwada Region of Maharashtra**

**Biradar R. G.**

Department of Botany

Sambhajirao Kendre Mahavidyalaya, Jalkot, Latur, Maharashtra, India

**Abstract:** *India inherits a rich herbal heritage. Our environment is characterized by richly diversified plant forms. The medicinal plants have been crucial in sustaining the health and well-being of mankind. The present study deals with an ethano-botanical research work to collect the information on the uses of the medicinal plants for the treatments of various disorders like cough, cold and fever by the rurals of Udgir and Jalkot tehsil, Latur district in the Marathwada region of Maharashtra. In India, the main traditional systems of medicine include Ayurveda, Unani and Siddha. The traditional healers provide considerable information about the use of many plants or plant parts as medicine. The rurals of this area have the authentic information about the medicinal values of plants. They have been using different plant parts like roots, stem, bark, leaves, bulbs, and rhizomes, fruits seeds in the form of juice, paste, powder, infusion, and decoction and in crude form. The indigenous knowledge of local traditional healers about the native plants used for medicinal purposes was collected by personal interviews during the field visits. In the present investigation, 73 plant species, belonging to different 40 families used by the rurals in the treatments of various disorders are documented*

**Keywords:** Ethano-botany, Ayurveda, Udgir and Jalkot tehsils, Marathwada

## **I. INTRODUCTION**

Plants constitute a vital component and play a key role in maintaining Earth's equilibrium and ecological balance. Generally it is believed that major portion of the population especially in the developing and under developing countries seek healthcare from sources other than conventional medicines, they also seek helps of some organized systems of medicines like Ayurveda, Unani, and Siddha. Ethano botanical information from India estimates that more than 40% of the vegetation is used in its codified and folk health care tradition. In India Ayurvedic system of medicine has existed for over five thousand years. Our ancestors possessed a profound understanding of healing powers of plants. According to Siddiqui (1995), the drug obtained from plant is believed to be much safer and exhibits remarkable efficacy in the treatment of various ailments. Extensive work has been done on medicinal plants of India (Kirtikar and Basu, 1935, Nadkarni 1954, Rastogi 1993) but very few reports were reported from the Marathwada region of Maharashtra, hence to fulfill this lacuna the present investigation has set its objective to record various medicinal plants available in the tehsil area of Udgir and Jalkot to trace out their significance.

## **II. MATERIALS AND METHODS**

The present survey was carried out among the rural used for treatments on cough, cold and fever as peoples of Udgir and Jalkot tehsils to collect the information on plant species practiced by them commonly. An effort has been made to collect the plants which were in flowering and fruiting conditions and were identified with the help of Cook (1958), Hooker (1872), Razi (1952), Santapau (1957), Varadpande (1966), Shirke (1983). The information regarding the medicinal uses of plants was gathered from rural peoples of the tehsil to gather information on plant species used for cough, cold and fever by them, this information is collected by following Jain (1991). The medicinal uses were confirmed by following Nadkarni (1972).

**III. RESULTS**

**Table.1.**

Sr No.	Botanical Name	Common Name	Family	Parts used	Use to cure
1	<i>Abutilon indicum</i>	Petari	Malvaceae	Leaves, roots	Infusion to fever
2	<i>Acalypha indica</i>	Khokali	Euphorbiaceae	Leaf	Drycough, bronchitis
3	<i>Achyranthus aspera</i>	Aghada	Amaranthaceae	Whole plant	Diuretic, used in piles
4	<i>Adhatodazeylanica</i>	Adulsa	Acanthaceae	Root, leaves	Bronchitis, asthma, fever, jaundice
5	<i>Aegle marmelos</i>	Bel	Rutaceae	Fruit, leaves	Diabetes, leprosy, intestinal disorders, cooling agent, fever
6	<i>Aervalanata</i>	Kapuri	Amaranthaceae	Whole plant	cough
7	<i>Allium cepa</i>	kanda	Liliaceae	bulb	cough
8	<i>Alstoniascholaris</i>	satvin	Apocynaceae	Stem, bark	Fever, ulcer of mouth
9	<i>Amaranthus spinosus</i>	Kante-math	Amaranthaceae	Whole plant	Fever,
10	<i>Aristolachia indica</i>	Sapsund	Aristolachiaceae	Leaves, seed	cough
11	<i>Ailanthus excelsa</i>	Maharukh	Simarubaceae	Leaf, bark	Antiasthmatic, antispasmodic
12	<i>Annona squamosa</i>	Sitaphal	Annonaceae	Whole plant	Purgative, suppurative
13	<i>Andrographis paniculata</i>	Klmegh	Acanthaceae	Whole plant	Wounds, ulcers, chronic fever, cough, bronchitis, skin diseases, dysentery
14	<i>Argemone mexicana</i>	Pivladhotra	Papaveraceae	Root, stem, latex	Laxative, purgative, chronic skin diseases
15	<i>Azadirachta indica</i>	Neem	Meliaceae	Leaves, bark, fruits	Antiseptic, astringent, purgative, leprosy, toothache, skin diseases
16	<i>Bauhinia racemosa</i>	Apta	Caesalpinaceae	Leaves, bark	Pains from stomach, bowels, boil.
17	<i>Barleria prionitis</i>	Katakoran ti	Acanthaceae	Whole plant	Cough, stomach complaints, ring worms
18	<i>Butea monosperma</i>	Palas	Fabaceae	Bark, leaves, flower	Aphrodisiac, tumors, piles, diarrhea, fractures of bones
19	<i>Calotropis gigantea</i>	Ruchik	Asclepiadaceae	Roots, leaves	Cold, cough, asthma, expectorant, indigestion
20	<i>Carissa carandas</i>	Karvand	Apocynaceae	Root, ripe and unripe fruits	Laxative, appetizer, cooling, antipyretic, aphrodisiac
21	<i>Cassia fistula</i>	Bahawa	Caesalpinaceae	Fruit, leaf, seeds	Blood purifier, cough, jaundice
22	<i>Cassia occidentalis</i>	Tarwad	Caesalpinaceae	Leaf	Fever, ringworm
23	<i>Centella asiatica</i>	Brahmi	Apiaceae	Root, leaves	Diuretic, tonic to hair growth, skin diseases, piles
24	<i>Cinnamomum zeylanicum</i>	Dalchini	Lauraceae	Stem, bark	Cough
25	<i>Citrus aurantifolia</i>	Narangi	Rutaceae	Leaves	Cold
26	<i>Citrus limon</i>	Limboo	Rutaceae	Fruit	Stomach ache, dysentery, diarrhea
27	<i>Coccinea indica</i>	Tondli	Cucurbitaceae	Leaves, Fruits	Fever, mouth infections
28	<i>Coleus aramiticus</i>	Patherachur	Lamiaceae	Leaves	Cough

29	<i>Coriandrumsativum</i>	Dhana	Apiaceae	Leaves	Fever
30	<i>Costus speciosus</i>	Kosht	Costaceae	Rhizome	Rhizome juice in Fever
31	<i>Cynadondactylon</i>	Durva	Poaceae	Leaf, seed, roots	Cough,asthama,bronchial troubles
32	<i>Cuscutareflexa</i>	Amarvel	Cuscutaceae	Stem	Hair problem, intestinalworms, jaundice
33	<i>Datura metal</i>	Dhotra	Solanaceae	Root, stem, leaf, seed	Cough.asthama,ringworm,skindis eases,leprosy,bronchial troubles
34	<i>Echinopsechianthus</i>	Uktara	Asteraceae	Root,seed	Hair tonic, skin diseases,jaundice
35	<i>Ecliptaprostrata</i>	Maka	Asteraceae	Root,leaves	Asthama,bronchitis,cooling,fever, jaundice
36	<i>Erythrina variegata</i>	Pangara	Fabaceae	Stem,bark	Bark juice in fever
37	<i>Euphorbia hirata</i>	Dudhi	Euphorbiaceae	Leaves	Leaf juice in fever
38	<i>Emblicaofficinalis</i>	Awala	Euohorbiaceae	Fruit,seeds	Antioxidants,diabetes,anemia,bro nchitis,laxative
39	<i>Ficusbenghalensis</i>	Vad	Moraceae	Stem,root,leav es	Diabetes, improves complexion, dysentery, rheumatism
40	<i>Ficusreligiosa</i>	Peepal	Moraceae	Bark,leaves,fru its,roots	Seeds refrigerant, asthama, skin disease, diarrhea, dysentry
41	<i>Ficusglomerata</i>	Umbar	Moraceae	Fruit, latex, root, bark	Cough, diabetes, honorrhea, wounds
42	<i>Gloriosasuperba</i>	Kallavi	Liliaceae	Underground tubers	Chronic,ulcer,skin disease
43	<i>Gymnemasyvestre</i>	Gudmari	Asclepidaceae	Leaf,Root	Eye disorder, stomach ache, carminative, expectorant, heart stimulant
44	<i>Helicterisisora</i>	Murud sheng	Sterculiaceae	Bark, pod, root	Stomach ache, cuts, diarrhoea,dysentry
45	<i>Hemidesmusindicus</i>	Anantmul	Asclepiadaceae	Root,latex,	Fever, urinary troubles,leucoderma,inflamedeye, epileptic fits in children
46	<i>Lawsoniainermis</i>	Mehandi	Lythraceae	Leaves	Jaundice, weakness,cough
47	<i>Menthalongifolia</i>	Janglipudi na	Lamiaceae	Whole plant	Fever
48	<i>Madhucalongifolia</i>	Moh	Sapotaceae	Leaf,flowers	Toothache,tonsil,ulcer,cough,thro at swelling
49	<i>Mangiferaindica</i>	Aamba	Anacardiaceae	Bark	Stomach ache,jaundice
50	<i>Mimosa pudica</i>	Lajalu	Mimosaceae	Root,leaves,fru its	Purgative,constipation
51	<i>Micheliachampaca</i>	Sonchaph a	Magnoliaceae	Stem,bark	Cough,fever
52	<i>Morus alba</i>	Tut	Moraceae	Leaves	Cold
53	<i>Moringaoleifera</i>	Shevaga	Fabaceae	Root,leaves,ba rk,gum,pods	Cardiac stimulant, scurvy, diuretic, eye diseases,
54	<i>Oscimum sanctum</i>	Tulsi	Lamiaceae	Root,stem,leav es,seeds	Expectorant,cough,bronchitis,gast ricdisorders,,cold, cough,
55	<i>Oscimumbasilicum</i>	Sabja	Lamiaceae	Leaves	Cough,cold,fever

56	<i>Oxalis corniculata</i>	Ambashi	Oxalidaceae	Leaves	Stomach ache, antiscorbic, kidney stone
57	<i>Petrocarpus marsupium</i>	Bibba	Fabaceae	Wood, fruit, leaf	Body pain, skin diseases, diabetes
57	<i>Pongamia pinnata</i>	Karanji	Papilionaceae	Seeds, leaves, bark	Scabies, eczema, leprosy, ulcers, beri beri, cough
58	<i>Phylanthusemblica</i>		Euphorbiaceae	Fruit	Cough and cold
59	<i>Piper nigrum</i>	Kala-miri	Piperaceae	Seed	Cough and cold
60	<i>Quisqualis indica</i>	Lalchameli	Combretaceae	Seed	Fever
61	<i>Rauwolfia serpentina</i>	Sarpagandha	Apocynaceae	Root	Fever, stomach disorders Laxative
62	<i>Ricinus communis</i>	Erand	Euphorbiaceae	Leaves, seed oil	Jaundice, skin diseases,
63	<i>Solanum nigrum</i>	Kanguani	Solanaceae	Whole plant	Cough
64	<i>Syzygium cumini</i>	Jambhul	Myrtaceae	Bark, seeds, leaf	Diabetes, diuretic, diarrhea, carminative
65	<i>Tamarindus indica</i>	Chinch	Fabaceae	Seed, leaf	Biols, swell
66	<i>Tectona grandis</i>	Saagwan	Lamiaceae	Stem bark, wood	Eczema, headache, stomach ache
67	<i>Terminalia bellirica</i>	Behada	Combretaceae	Bark, seeds, leaf	Heart, wounds, hemorrhages, ulcers
68	<i>Terminalia chebulla</i>	Hirda	Combretaceae	Fruits	Expectorant, cardiotoxic, ulcers, laxative
69	<i>Tinospora cordifolia</i>	Gulvel	Menispermaceae	Stem, leaves	Fever, cough, diarrhoea
70	<i>Tridax procumbens</i>	Dagadipala	Asreraceae	Leaves	Wound haemorrhage, bronchitis, diarrhea, dysentery
71	<i>Withania somnifera</i>	Ashwagandha	Solanaceae	Root, leaves, seed	Female disorders, bronchitis, skin disease, joint pain, eye complaints
72	<i>Zinziber officinale</i>	Adrak	Zingiberaceae	Rhizome	Rhizome tea in cough, cold, fever
73	<i>Zizyphus jujuba</i>	Bor	Zingiberaceae	Fruit	Decoction in cough and cold

#### IV. CONCLUSION

An attempt has been made to survey and enlist the medicinal plants used in the treatments of various disorders, particularly cough cold and fever with the help of Udgir and Jalkot tehsil. In this survey 73 medicinal plants belonging to 40 families have been documented in the form of herbarium at the Department of Botany Sambhajirao Kendre Mahavidyalaya Jalkot Dist. Latur in the Marathwada region of Maharashtra.

#### ACKNOWLEDGEMENT:

I am very much thankful to Principal Dr. B.T.Lahane for providing necessary laboratory facilities and to Dr. Allapure R. B. Head Department of Botany Maharashtra Udaygiri Mahavidyalaya Udgir and Dr. R. M. Kadam Head Department of Botany Mahatma Gandhi Mahavidyalaya Ahmedpur for their constant encouragement and helping nature for the present investigation

**REFERENCES**

- [1]. Agarwal, V.S.and Ghosh, B. (1985). Drug plant of India, KalyaniPublication, Delhi
- [2]. Ambasta, S.P. (1986) The useful plants of India. Publication and information.
- [3]. Anonymous (1948-76) The wealth of India, A Dictionary of Indian Row Materials.
- [4]. Bramhavarchas (2004). "Ayurved ka Pran" Vedmata Gayatri Trust, 4
- [5]. Cook, T. (1958) The flora of presidency of Bombay.Vol.1-3.B.S.I.Culcutta (Repr.Ed)
- [6]. Chopra, R.N. (1956) Glossary of Indian Medicinal plants, C.S.I.R.New Delhi.
- [7]. Desai, V.G. (1975). "Aushadhi Sangraha", S.G.Publication Mumbai, 1975
- [8]. Hooker, J.D. (1872-1897) The Flora of British India, VII
- [9]. Jain, S.K.and Rao, R.R. (1977) A Handbook of Herbarium methods today and tomorrow New Delhi.
- [10]. Joshi, S.G. (2000) Medicinal plants, Oxford and IBH Publishing Co.Pvt.Ltd.New Delhi
- [11]. Janardhanan, KP. (1969) An enumeration of the medicinal plants of Khed Taluka (Maharashtra), Bull.Bot.Surv.India, 5:363-374
- [12]. Nadkarni, A.K. (1927) Nadkarnis Materia Medica, Popular Book Depot. Lamingtonroad, Bombay III Edn.Vol.I, II.
- [13]. Naik, V.N. (1998) Flora of Marathwada Vol.1-2.Amrut Prakashan, Aurangabad, India
- [14]. Patil, M.V.(2000b) Some edible plant of Nashik district. Ancient Science of Life XIX (3and 4):102-104.
- [15]. Pawar Shubhangi (2004) Fish stupefying plants used by tribes of North Maharashtra.Ethonobotany 16 (1 and 2) :136-138
- [16]. Rastogi, P.R. (1933) Compendium of Indian Medicinal Plants.Vol.I-III CDRI and publication and Information Directorate, New Delhi.
- [17]. Sharma, B.D. (1996) Flora of Maharashtra State Monocotyledons BSI, Culcutta.
- [18]. Singh, N.P., Karthikeyan, S. (2000) Flora of Maharashtra of Maharashtra State Dicotyledons Vol.I Culcutta.
- [19]. Singh, N.P., Karthikeyan, Lakshminasimhan (2001) Flora of Maharashtra of Maharashtra State DicotyledonsVol.II.BSICulcutta