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Research Article

Lesser Known Ethnomedicinal Plants of Hingoli District, Maharashtra, India

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Abstract

Present papers provide the information about the ethnomedicinal plants of Hingoli District of Maharashtra state. Total 28 ethnomedicinal plants species belonging to the 22 families which are used for curing the 17 diseases were recorded from the local healer and tribals of the district. Many of the ethnomedicinal value are new to the science. Their updated botanical name, family, local name and uses are provided.

Keywords: Maharashtra, ethnomedicinal plants

Introduction

Hingoli district occupies an area 4526 km², which was separated from Parbhani on 1st July 1999. Hingoli lies between 19°40' to 20°05' N latitudes and 76°53' to 77°02' E longitudes at the northern part of Marathwada region of Maharashtra state. The district is surrounded by Akola and Yeotmal in the North, Parbhani in the West and Nanded in the South-east. 895 mm average rainfall is recorded for the district. The major river basin of the district is the Painganga river, flows in the northern region of the district. The river passes through Sengaoon and Kalamnuri taluka, Purna river flows from southern side of Sengaoon and Kayadhu is the main river of the district. It flows through Sengaoon, Hingoli, Aundha Nagnath and Kalamnuri talukas. Major part of the district is covered by dry deciduous forest. It

comprises five tehsils viz. Hingoli, Kalamnuri, Aundha Nagnath, Vasmata, and Sengaoon. The exploration of Hingoli region was done by Anil L. Vaidya (1976). In his contribution to the Flora of Marathwada, he has compiled plant wealth as Flora of North-Eastern Parbhani district (Ph.D. thesis). Quarter century is passed over the exploration work of Hingoli region, now it is a separate district, which should be explored thoroughly to inventorize the medicinal plant wealth of the district. Hence it is necessary to survey the medicinal plant resources of a particular district.

Materials and Methods

The ethnomedicinal plants survey was carried out during the 2009 -2014 at different seasons and in different localities of the district. During the survey

ethnomedicinal values were documented by interviews with the local healer, villagers and tribals of the district all the collected data were compared with the available literature (Bhuktar 2001, 2002, 2003; Jayshree 2011.). the identification of collected plants species was done by the different floras (Naik 1979, 1998; Sharma 1998; Singh 2000, 2001.). The voucher specimen is deposited in the Herbarium (BAMU) of Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurnagabad.

Enumeration of Ethnomedicinal Plants

1. **Acacia farnesiana** (L.) Willd.
Family: **Mimosaceae** (L. N. Devbabhul).
Parts Used. Pod.
Medicinal Uses: The pods peels is used for cure the cough.
2. **Acacia nilotica** (L.) Delile.subsp **indica** (Benth.) Brenan.
Family: **Mimosaceae** (L. N. Babhul).
Parts Used. Bark
Medicinal Uses: the small piece of Bark in Betel leaves is given in Leprosy.
3. **Aegle marmelos** (L.) Correa. Family: **RUTACEAE** . (L. N. Bael)
Parts Used: Fruits.
Medicinal Uses: The Fruits is given in Dysentery or Diarrhea 1Fruits in Morning and Evening for 2 days.
4. **Ailanthus excelsa** Roxb. Family: **SIMAROUBACEAE**. (L. N. Maharukh Maherka).
Parts Used: Leaves
Medicinal Uses: the mixture Pongamia,Vitex and Ailanthus boiled Leaf Paste is applied for Rheumatism for 2-3 times in weeks.
5. **Amorphophallus sylvaticus** (Roxb) Kunth. Family: **ARACEAE**. (L. N. Jangli Suran). Parts Used: Tuber.
Medicinal Uses: The Tuber paste with cow urine is applied for Boils.
6. **Andrographis paniculata** (Burm. f.) Nees. Family: **ACANTHACEAE**. (L. N. Kalmegh/Bhui Neem). Parts Used: Leaves
Medicinal Uses: The half tea cup leaf extract is given in Urethritis for two to three days in morning.
7. **Annona squamosa** L. Family: **ANNONACEAE**. (L. N. Sitaphal). Parts Used: Leaves.
Medicinal Uses: The leaf is given in cough with Betel leaf.
8. **Argemone mexicana** L. Family: **PAPAVERACEAE**. (L.N. Vilayat).
Parts Used: Latex.
Medicinal Uses: The latex is applied on Apathe.
9. **Argyreia nervosa** (Burm.f.) Bojer. Family: **CONVOLVULACEAE**. (L. N. Samudrashok) Parts Used: Leaves .
Medicinal Uses: Coconut oil applied leaves is keep on flame and then apply for Rheumatism.
10. **Aristolochia bracteolata** Lam. Family : **ARISTOLOCHIACEAE** . (L.N. Sapsan,Kidamar) Parts Used: Leaves.
Medicinal Uses: Leaf Paste is Applied on stomach for 2-3 days Morning for cure the stomach pain.
11. **Azadirachta indica** A. Juss. Family: **MELIACEAE**. (L. N. Kadu Neem). Parts Used: Fruit.
Medicinal Uses: The Fruits And Madhuca longifolia(L).J.F.Macbr. Flower Boiled together and One Tea Cup the mixture extract is Given in Morning for one month for Tuberculosis.
12. **Balanites aegyptiaca** (L.) Delile. Family: **ZYGOPHYLLACEAE** (L. N.Hinganbet). Parts Used: Fruit.
Medicinal Plants: Balanitis, Tamarindus Fruit and Gardenia Gum Mixtuer is given in Dysentery for two -three days in morning and in evening.
13. **Bauhinia variegata** L . Family: **CAESALPINIACEAE**. (L. N. Apta / kanchan).
Parts Used: Internal Bark.
Medicinal Uses: One cup internal bark Powder mixture of Ailanthus And Bauhinia is given in water for seven week in morning for the Red Leucorrhea.
14. **Buchanania cochinchinensis** (Lour.) M.R.Almeida. Family: **ANACARDIACEAE**. (L. N. Charoli). Parts Used: Gum .
Medicinal Uses: The gum powder is given in Diphtheria.

15. **Caesalpinia bonduc** (L.) Roxb. Family: **CAESALPINIACEAE**. (L.N. **Gajga**). Parts Used: Leaves.
Medicinal Uses: Leaves and Black Soil paste is applied on swelling part for Seven Days in Rheumatism.
16. **Calotropis procera** (Aiton.) Dryand. Family: **APOCYNACEAE**. (L. N. **Rui , Ruchki**). Parts Used: Latex.
Medicinal Plants: 1-2 drop of latex is poured in Nasal in snake bite and Headache.
17. **Cassia fistula** L. Family: **CAESALPINIACEAE**. (L. N. **Bahawa**). Parts Used: **Root**. Medicinal Uses: Root paste is applied for 2 days in scorpion bite.
18. **Catunaregam spinosa** (Thunb.) Tirveng. Family: **RUBIACEAE**. (L.N. **Gelphal**). Parts Used: Root Bark.
Medicinal Uses: One teaspoon of root bark powder decoction is given for one week in Hydrophobia.
19. **Clerodendrum phlomidis** L. Family: **LAMIACEAE**. (L.N. **Takalan**). Parts Used: Leaves. Medicinal Uses: 1. Half cup leaf extract is given for Hepatitis. 2. Small piece of leaf is held in teeth to cure the Teethache.
20. **Cordia dichotoma** G.Forst. Family: **BORAGINACEAE**. (L. N. **Gondhni**). Parts Used: Leaves
Medicinal Uses: Small Leaf piece in Piper betle L leaves is given for Tetanus.
21. **Diospyros exsculpta** Buch-Ham. Family: **EBENACEAE**. (L.N. **Temburni**). Parts Used: Gum.
Medicinal Plants: 2-3 gm gum powder in cow milk or in ghee in morning is given in Cataract & Menstrual Problems.
22. **Ficus benghalensis** L. Family: **MORACEAE**. (L.N. **Wad**). Parts Used: Latex.
Medicinal Uses: Four to Five drops of the latex is given in Agalactia.
23. **Flacourtia indica** (Burm. f.) Merr. Family: **SALICACEAE**. (L.N. **Hiwar**). Parts Used: Root Bark.
Medicinal Uses: Root bark decoction for 1-2 days in Morning & Evening is given for Dysentery in child.
24. **Lagerstroemia parviflora** Roxb. Family: **LYTHRACEAE**. (L.N. **Lendi**). Parts Used: Leaves.
Medicinal Uses: Leaves, goat excreta and cow urine cooked Apply this paste in the Odema.
25. **Madhuca longifolia** (Koen.) Macbr. var. **latifolia** (Roxb.) A.Chev. Family: **SAPOTACEAE**. (L.N. **Moha**). Parts Used: Latex .
Medicinal Plants: 1. Ficus benghalensis L and Madhuca latex paste is applied on Boils.
2. Root extract of Echinops ehinatus Roxb and Madhuca latex about one teaspoon is given in Whooping cough.
26. **Semecarpus anacardium** L. Family: **ANACARDIACEAE**. (L.N. **Bibba**) Parts Used: Bark.
Medicinal Uses: Rice cooked with internal bark is given in Rheumatism.
27. **Tectona grandis** L.f. Family: **LAMIACEAE**. (L.N. **Saag**). Parts Used: Seed.
Medicinal Uses: Seed powder in Piper betle Leaf is given for two -three days in Urethritis.
28. **Woodfordia fruticosa** (L.) Kurz. Family: **LYTHRACEAE**. (L.N. **Dhyati**). Parts Used: Leaves.
Medicinal Plants: Half teacup leaves decoction is given the Urethritis.

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