Some Plants Used on Galactogogue from Satpuda Forest Region of Burhanpur District Madhya Pradesh, India

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Abstract: The present paper deals with the traditional ethnoveterinary medicinal plants species used for galactogogue by Pawara, Barela & Bhil tribes. 10 plant species of 10 genera belonging to 10 families with their local name, botanical name, family, and plant part used, preparation of remedies, disease treated, and doses recorded are given.

Keywords: Ethnoveternary, Satpuda, Burhanpur, Madhya Pradesh

1. Introduction


As far as studies on ethnoveterinary medicinal plants of Burhanpur district concern there are no reports so far. Attempt has been made to collect information about ethnoveterinary medicinal plants from tribal’s of the area [14], [16],[22]. Present study is based on field survey of personal discussion with local village health practitioners (LVHP), & literature survey from June 2012-2014.

2. Materials and Methods

Extensive & intensive explorations were made on every Sunday and Saturday of the week end to collect all the information as far as possible regarding the medicinal uses. During outgoing all the information collected were noted in field book. Pertinent attention was paid to habit, habitat, parts used, and diseases for which plants used, dosages and mode of administration. As far as possible correct local names have been recorded. These information were confirmed with repeated queries at different places.

Specimens collected during the field work are processed for herbarium as per the customary methods (Jain and Rao, 1977) [13], S.S. Katewa et-al, 2010[37]. Specimens are thoroughly studied for correct identification with the help of the standard Flora of the Presidency of Bombay (Cook, 1958 Repr.ed.)(10), Flora of British India (1872-1897) [12], BSI Flora of Maharashtra state Vol, I, II, & III.(Edited by Sharma et al.1996,Singh and Kartikeyan 2000;Singh & Laksh 2001)[15],[38]. The identification was also confirmed by matching the specimens with that of authentically identified species at BSI Pune. Herbarium sheets were neatly labeled and deposited in herbarium of PGRC,department of botany arts, Science & Commerce college Chopda.

1) ANJAN

Hardwickia binata Roxb. CAESALPINIACEAE

Trees, with dark-grey, rough-bark. Leaflets sessile obliquely ovate, glabrous. Flowers yellowish-green, in long slender racemes, or terminal panicles. Pods strap shaped.

Distribution: Common in patches in forest, ZHJ 20, Asirgarh.

Threat Status: Vulnerable

Medicinal Uses: Lactation in Cattles: Daily feed of one basket of Leaves 500 g -1kg are very useful in improving milk production in cattles.

2) BABBHUL

Acacia nilotica (L.) Willd.ex Del subsp. indica (Bth), Brenan MIMOSACEAE

Tall, straight, or crooked trees, with longitudinally fissured bark. Leaves pinnae 4-8 pairs, minute, linear-oblong, jointed. Seeds brownish-black, smooth glabrous.

Distribution: Throughout in plains Burhanpur forest, ZHJ 21, Asirgarh,

Threat Status: Not Endangered

Medicinal Uses: 1 kg.of Immature pods mixed with fodder & given after delivery in cows to increase milk formation in cows.
Critical Note: Herbal medicines prepared from the tree are useful in throat, cough, diabetes and urino-genital diseases (Salunkhe, 1995).

3) BHIUKUDA/BHUI KOLA

Pueraria tuberosa (Roxb.ex willd.) DC. FABACEAE
Distribution: Rare in forest, ZHJ 29, Asirgarh,
Threat Status: Endangered
Medicinal Uses: Suppression of lactation: Dried roots powdered. 50 gm powder is given with honey orally. Any problems related with lactation of cows & buffalows can be treated with root powder and honey which is taken daily twice for a week.
Critical Note: It is very effective medicine for the treatment of female Sterility and given in the condition when women fail to conceive. (Salunkhe, 1995).

4) BOR

Ziziphus mauritiana Lam. RHAMNACEAE
Armed, scandent shrubs. Leaves broadly elliptic or ovate oblong, glabrous above. Panicles terminal. Flowers pale-yellow or greenish-yellow. Drupes globose, pyriform, whitish green, when ripe.
Distribution: Occasional. ZHJ 110, Asirgarh,
Threat Status: Vulnerable
Medicinal Uses: 100g ammonium chloride, 2 kg sugar and 100g of clay is mixed with wheat husk and water is added and kept in an earthen pot up to three days and 750ml of this mixture is given orally to the animal once in a day to increase lactation
2. 500 g of dried root powder mixed with cold water & given orally to increase milk in camels & Goats. Fruits are edible and digestive.
Critical Note: Vaghbhatta in 600 BC prescribed the bark for heart disease. In modern drugs also it is considered to be best and effective medicine for ischemic heart diseases and to control high blood pressure (VHAI, 1998).

5) CHIRCHITA

Digera muricata (L) mart. AMARANTHACEAE
Annual erect, slender herbs. Leaves ovate-lanceolate or elliptic, at times nearly orbicular, glabrous. Seeds pale brown.
Distribution: Throughout common on wastelands, ZHJ 145, Asirgarh,
Threat Status: Not Threatened
Medicinal Uses: Juice extracted from the whole plant is given daily in the morning for 7 days. To increase lactation in cows.
Critical Note: Whole plant is useful on Snake bite, Piles Wounds (R.M. Bagul 2003)

6) GULVEL

Tinospora cordifolia (Willd.) Mrers ex.Hk.f. & Th. MENISPERMACEAE
Extensive, deciduous twiners, bark grayish white, lenticillate, grooved. Leaves membranous, broadly ovate-triangular, glabrous, 5-7 veined, petiolate. Racemes, axillary or more commonly from leafless branches. Drupes globose, deep-red, marked with a sub-basal style scar.
Distribution: Throughout on hedges, ZHJ 95, Asirgarh,
Threat Status: Not Endangered
Medicinal Uses: 100-200 g of roots fed with fodder twice a day for five days to increase milking in buffalows
Critical Note: 1. Cough: One teaspoonful decoction of roots is given daily three times. 2. Jaundice: For jaundice 50 gm powder of roots is given daily twice with warm water till cured. (R.M. Bagul 2003) Critical Notes: Chopra et al. (1955) reported anti viral and anti bacterial properties. Gupta et al. year reported its use in diabetes because of its use in insulin secretion and also glucose up take by pancreas.

7) SATAVARI

Asparagus racemosus Willld.Var.Javanicus (Kunth) Baker LILIACEAE
Deciduous shrubs, with ash brown to pale bark. Cladodes long glabrous. Flowers white in long racemes. Berries nearly globose scarlet or pale purple.
Distribution: Wild in forest undergrowth, ZHJ 20, Asirgarh,
Threat Status: Not Endangered
Medicinal Uses: 1-5 kg of Whole plants is fed to bufffellow with empty stomach to increase milk secretion
Critical Note: 1. Roots are useful in stomach complaints and in diarrhea (Sinha & Sinha, 2001). It is reported for increasing breast milk in mothers (Bhakuni, 1990) reported that the plant has property of uterine blocking. 2. Ash of the whole plant is useful in Stomach Pain & whole plant is used on eye disease & impotency (R.M. Bagul 2003)

8) Mangifera indica L. ANACARDIACEAE
Tall evergreen trees, with light-black longitudinally fissured bark. Leaves alternate, flowers small numerous in long terminal panicles. Drupes yellow to reddish-yellow when ripe.
Distribution: Throughout, ZHJ 20, Asirgarh,
Threat Status: Cultivated but Vulnerable in wild.
Medicinal Uses: A mixture of 200 g of dried bark powder, 1kg of barley fruits & 1kg of Jaggery is made into 5 liter of Water
Critical Note: Vomiting: One teaspoonful extract of young leaves and honey is given twice in prevention of vomiting. (R.M. Bagul 2003)

9) Corchorus capsularis L. TILIACEAE
Tall erect glabrous herb. Leaves ovate lanceolate, glabrous. Flowers yellow, axillary. Capsule green, Black on drying, Seeds deep brown
Distribution: Subgregaceous range
Threat Status: Cultivated but Vulnerable in wild.
Medicinal Uses: Leaves are fed to Camel to treat stomachache. Whole plant 1-2-kg chopped into small pieces and mixed with fodder given to animal with water to increase the secretion of milk.
10) **Legenaria siceraria** (Mol) Standl. **CUCURBITACEAE**  
A stout climbing, trailing herb. Leaves 3-5 lobed, ovate pubescent, flowers 3-5cm across, white axillary solitary. Berries light dark green, seeds white  
**Distribution:** On hedges in Satpuda forest  
**Threat Status:** Cultivated but Vulnerable in wild, ZHJ 20, Asirgarh,  
**Medicinal Uses:**  
1) 3-5 kg of Fresh fruits chopped into pieces & given with fodder to increase the secretion of milk.  
2) Leaves are fed to camel to treat stomache. A whole plant crushed with water is given to animal to increase the secretion of milk.  
**Critical Note:** Fruits are used as tonic for heart patients (R.M. Bagul 2003)  

3. Discussion and Conclusion  
During study it was found that out of 150 plants species 10 types of plants species used on galactogogue, at the same time 16 types of diseases belonging to 10 families, 10 genera & 10 species used to cure diseases like Headache, Leprosy leucoderma. Lumbergo Snake bite, Piles, Wounds, Acidity, Heart disease, Female sterility, Cough, Jaundice, Eye disease, Stomache, pain etc in human beings [3.4]&[41] are mentioned with critical notes.  

Most of the information reported from the tribal’s of the area is found to be less known to the literature of Indian veterinary medicinal plants. The plants mentioned here are still popular in this area and enjoyed good reputation in veterinary medicinal plants. The plants mentioned with critical notes.  

**Critical Note:**  
10) Types of plants species used on galactogogue, at the same time 10 species used to cure diseases like Headache, Leprosy leucoderma. Lumbergo Snake bite, Piles, Wounds, Acidity, Heart disease, Female sterility, Cough, Jaundice, Eye disease, Stomache, pain etc in human beings [3.4]&[41] are mentioned with critical notes.  

**References**  

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