Traditional Ethnomedicinal Plants among the Tribes of District Shahdol, Madhya Pradesh, Central India

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Abstract: Present paper deals with 30 ethnomedicinal plants have been identified for the treatment of various disease. Harbarium has been prepared which contains information pertaining to botanical name, local name, plants used, their dose and process of administration. A survey of ethnomedicinal plants of Shahdol district has been carried out with co-operation of Tribal villagers.

Keywords: Traditional, Ethnomedicinal Plants, Shahdol Tribes

1. Introduction

District Shahdol is situated north eastern part of Madhya Pradesh state. It is lying between 23°17'47" N latitude and 81°21'21" E longitude. Total geographical area sums up to 5671 sq./Km. and has a population of 908148. Shahdol is rich in vast resources of forest and minerals. It is bounded in the north by Satna and Sidhi district, in the east by Korea district, in the south by Anuppur district, in the west by Umaria district. The area is full of water springs which come out on the top hill slopes. The Shahdol district has average rainfall is 85.11% and above temperature 13.6 °C. The Kol tribes living in some villages situated in and around Shahdol district. They depend solely on their surrounding forest for most of their requirement for food to ethnomedicinal plants.

2. Material and Methods

Shahdol district is floristically very rich and harbours a wide range of biodiversity. People living in these forests and adjacent rural areas depend upon plants for their daily needs and food. Kol tribal villagers have good knowledge about medicinal plants and their uses in different types of diseases. A perusal of literature shows that no systematic study and survey from ethnobotanical and ethnomedicinal point of view has been carried out in the present area of investigation. The present communication deals with 30 ethnomedicinal plant used by the tribal communities in habiting the region of Shahdol district for various disease treatment by the Tribals. The plants are arranged alphabetically each by botanical name, family, local name and use of plants. Plants were collected during flowering period with the help of tribals and vaidys. Parts of ethnomedicinal plants used in the treatments of many types disease and other informations were recorded as stated by the tribals and vaidyas. The specimens were identified with the help of published flora and relevant authorities. Some other workers who have contributed in the field of ethnobotany as Agrawal (1997), Ahirwar (2010, 2010, 2014), Biswas et al (2003), Busia (2003), Chopra et al (1956), Jain (1963, 1965, 1991, 1981), Khan et al (2008), Kirtikar et al (1999), Kumar (2007), Kala (2005, 2007), Maheswari (1964), Masih et al (2013) and Miller (1990).

Figure 1: Location Map of Madhya Pradesh in District Shahdol.

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3. Results and Discussion

I have identified 30 Ethnomedicinal plants, which are used by tribals of Shahdol district in their daily life for the treatment of various diseases. Most of these plants are wild and some plants are cultivated. The ethnobotanical plants have been listed alphabetically (Table 1).

| S.No. | Name of Family | Botanical Name | Local Name | Ethnomedicinal Used |
|-------|----------------|----------------|------------|---------------------|
| 1     | Apiaceae       | Centella asiatica (L.) Urban | Brahmi     | Entire plant used as nervine tonic, and skin diseases as weak sedative, cardio depressant, hypotensive and in leprosy. |
| 2     | Asteraceae     | Eupatorium lactescens | Kala Bhegra | Entire plant tonic given in spleen enlargement and leaf juice given in eczema and as hair tonic. |
| 3     | Apocynaceae    | Rauwolfia serpentina (L.) L. | Sarapanganda | Leaf juice is used as remedy for opacity of cornea. Root is sedative, reduces hypertension. |
| 4     | Asclepiadaceae | Calotropis procera | Madar       | Flowers are used in cold, cough and Asthma. Powdered root bark used in dysentery. Fresh leaves in ulcer and as wormicidal. |
| 5     | Acanthaceae    | Adhatoda Vasica | Adusa      | Leaf decoction is used in cough bronchitis and rheumatism. |
| 6     | Acanthaceae    | Hygrophila auriculata (Schum) | Talmakhan   | Leaves, seeds and roots are used as diuretics and also for jaundice, dropsy, rheumatism and urinogenital disorder. |
| 7     | Amaranthaceae  | Achyranthes aspera | Chirchita    | Used in cough and its decoction is given in renal dropsy and bronchial infection treatment of phyrhoea fever, enlargement of liver and spleen. |
| 8     | Bombacaceae    | Bombax ceiba | Semur       | Root is stimulant, tonic and chiefly given in impotency. |
| 9     | Combretaceae   | Terminalia arjuna (Roxb.) Wt. & Am. | Arjun     | Bark infusion used in heart troubles and leaf juice in earache, hypertension and as diuretic and has tonic effect in cirrhosis of liver. |
| 10    | Cucurbitaceae  | Coccinia grandis (L.) Voigt | Kundru     | Juice from leaves and roots is used in diabetes. |
| 11    | Cactaceae      | Opuntia ficus-indica (Mill.) | Nagphani    | Baked fruit is given in whooping cough and a syrup of the fruit increases secretion of bile. |
| 12    | Caesalpinaceae | Cassia fistula L. | Amaltash    | Root with black pepper and leaves of kathal applied to cattle for giving relief to swollen throat. |
| 13    | Caesalpinaceae | Cassia tora L. | Chakwda     | Leaf and seeds used in skin disease for ringworm and itch. |
| 14    | Convolvulaceae | Cuscuta reflexa Roxb. | Amurabel    | Seeds used in ulcer and liver disorders. |
| 15    | Dipterocarpaceae | Shorea robusta Gaertn f. | Sal          | Resin is used in skin diseases, diarrhea and dysentery. |
| 16    | Fabaceae       | Butea monosperma (Lamk) | Tamp         | Seeds are internally administered as an anthelmintic in treatment of round worms. Gum is used in treatment of diarrhoea. |
| 17    | Fabaceae       | Dalbergia sissoo Roxb. | Shisham     | Decoction of leaf Useful in gonorrhoea. |
| 18    | Fabaceae       | Macaranga densiflora (L.) DC | Kemmach    | Root used in paralysis seeds are used as nervine tonic, menes troubles and as vermifuge, strong infusion of roots mixed with honey is given in cholera. |
| 19    | Lythraceae     | Lawsonia inermis L. | Mehndi      | Lea paste or decoction used as gargo in sore throat, burns, bruises and skin inflammation. Seeds useful in urinary troubles. |
| 20    | Lamiaceae      | Leucas cephas (Wild.) (Roth) Spr. | Gumi      | Leaf used as digestive antiseptic and earache and fever. Flowers are used in cough and cold. |
| 21    | Lamiaceae      | Ocimum tenuiflorum L. | Kali tulsia | Leaf decoction is given in Malaria and abdominal diseases. |
| 22    | Menispermaceae | Tinospora cordifolia (L.) Merr | Gurch      | Root extract is used in fever, cold cough, as blood purifier, in acidity and jaundice. |
| 23    | Meliaceae      | Azadirachta indica Juss | Neem        | Bark, leaf and fruit decoction is antiseptic and used in ulcer, eczema and skin diseases. |
| 24    | Mimosaceae     | Acacia nilotica (L.) Del. | Babul       | Bark used in diarrhea, dysentery and diabetes. |
| 25    | Mimosaceae     | Albizia lebbeck (L.) Wild | Siris       | Bark and seeds given in piles and diarrhea. |
| 26    | Nyctaginaceae  | Boerhavia diffusa L. | Punarnava   | Root is laxative and used in asthma, jaundice and dropsy. |
| 27    | Papaveraceae   | Argemone mexicana L. | Plikateli   | Stem latex used in dropsy, jaundice and conjunctivitis. |
| 28    | Papaveraceae   | Papaver somniferum L. | Afeem       | Flower, fruits and Seeds have pain releasing and sleeping effects and useful in irritating cough, pneumonia, ulcers, gastritis and influenza. |
| 29    | Rutaceae       | Aegle marmelos (L.) Corr | Bel         | Fruits is given in diarrhea dysentery irritation of alimentary canal, fever and as tonic and cooling agent. |
| 30    | Sapotaceae     | Madhuca longifolia (Koen) Mac Br. | Mahua      | Decoction of bark is used in incurring bleeding gums and ulcers. Flowers are used in cough and bronchitis. |

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