

Studies on the species composition and ethno-medicinal importance of certain wild plants of district Jaunpur, Uttar Pradesh

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ABSTRACT

The present communication reports species diversity and ethno medicinal value of some weeds used locally. The present is an attempt to highlight plants used by local people as food, fodder, fibre, medicine, dyes, tannins, oil, agriculture and household implements, thatching, hedges, worship, etc.

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Key words : Ethno botany, Medicinal plant

INTRODUCTION

Jaunpur an eastern district of U.P. is situated between 25°24' - 26°12' north latitude and 82°7'-83°5' east longitude. Total area of the district is 4038 km². Area is intercepted by many perennial lakes locally called 'Tals'.

MATERIALS AND METHODS

Extensive survey work was carried out. A number of medicine men having experience to utilize these plants were

consulted. During trips, observation, on morphological and ethno botanical importance was recorded. Plants were brought to the laboratory to the Department of Botany, T.D.P.G. College Jaunpur, were identified with the help of relevant floras (Duthie, 1903-1929; Haines, 1921-25).

RESULTS AND DISCUSSION

The tabular chart (Table 1) was prepared on the basis of direct interviews and discussion with native medicine-men, vaidays and other interest persons in Ayurvedic

Table 1 : List of wild ethano medicinal plants and their use

Botanical name	Family	Part used	Ethno medicinal use
<i>Abutilon indicum</i> Linn.	Malvaceae	Root, Leaf, Seed	Rheumatic pain, leucoderma
<i>Achyranthes aspera</i> Linn.	Amaranthaceae	Root	Antidote, leucoderma
<i>Adhatoda vasaka</i> Nees.	Acanthaceae	Leaf	Cough and Bronchitis
<i>Aegle marmelos</i> Linn.	Rutaceae	Fruit	Diarrhoea, dysentery
<i>Ageratum conyzoides</i> Linn.	Asteraceae	Leaf	Antiseptic, cuts and wounds
<i>Alternanthera sessilis</i> .	Amaranthaceae	Whole plant	Tonic, fever
<i>Amaranthus spinosus</i> Linn.	Amaranthaceae	Root	Intestinal worms
<i>Anagallis arvensis</i> Linn.	Primulaceae	Leaf	Leeches in nostrils
<i>Argemone mexicana</i> Linn.	Papaveraceae	Stem	Dropsy, Tuberculosis
<i>Arundo donax</i> Linn.	Poaceae	Leaf	Dyspepsia in animals

Table 1 : Contd....

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medicines. The district Jaunpur is very rich in plant diversity. In remote part of the district people were found widely adopting herbal medicine in their routine life. Herbal drugs are being used in cure of cold, cough, fever, pain, diarrhoea, dysentery, malaria, indigestion, piles etc. by rural people on large scale in district Jaunpur.

Table : 1 Contd...

<i>Azadirachta indica</i> A.Juss.	Meliaceae	Bark, leaves, fruits	Antiseptic, ulcers, wounds
<i>Bacopa monnieri</i> . Linn.	Schrophulariaceae	Whole plant	Poor production of milk in cow
<i>Biophytum sensitivum</i> L.	Oxalidaceae	Leaf	Cuts, Insanity, Filaria, Hydrocoel
<i>Blumea lacera</i> Burm. F.DC.	Asteraceae	Leaf	Cuts
<i>Boerhaavia diffusa</i> Linn.	Nyctaginaceae	Whole plant	Jaundice, Weakness, Asthma
<i>Bombax ceiba</i> Linn.	Bombacaceae	Root	Stimulant, given in impotency
<i>Calotropis procera</i> Rx. Br.	Asclepiadaceae	Root	Dysentery
<i>Conscora decussate</i> Roxb. Roem and Schult.	Gentianaceae	Whole plant	Brain tonic
<i>Cassia occidentalis</i> , Linn.	Caesalpinaceae	Seed, Twig, Leaf	Skin disease, earache
<i>Cassia tora</i> Linn.	Caesalpinaceae	Leaf, seed	Ring worm, itch
<i>Certophyllum demersum</i> Linn.	Ceratophyllaceae	Leaf	Diarrhoea in animals
<i>Chenopodium ambrosoides</i> Linn.	Chenopodiaceae	Leaf	Intestinal worm in animals
<i>Cleome gynandra</i> Linn.	Capparidaceae	Seed, Leaf, Root	Headache
<i>Clerodendrum viscosum</i> Vent.	Verbenaceae	Leaf	Skin disease, hair loss
<i>Colocasia esculenta</i> Linn.	Araceae	Leaf	Estrus in animal
<i>Commelina benghalensis</i> Linn.	Commelinaceae	Leaf	Sores
<i>Cuscuta reflexa</i> Roxb.	Convolvulaceae	Whole plant	Skin disease
<i>Cynodon dactylon</i> L. Pers.	Poaceae	Whole plant	Cuts and wounds epistaxis
<i>Cyperus rotundus</i> Linn.	Cyperaceae	Tuber	Fever
<i>Cyperus triceps</i> Rottb. Endl.	Cyperaceae	Tuber	Fever, skin disease
<i>Dalbergia sissoo</i> Roxb.	Fabaceae	Leaf	Gonorrhoea
<i>Eichhornia carspipes</i> Mart.	Pontederiaceae	Flower and Leaf	Poor milk in cattle
<i>Eclipta prostrata</i> Linn.	Asteraceae	Leaf	Fever, hair tonic. Wound
<i>Elephantopus scaber</i> Linn.	Asteraceae	Root	Hydrocoel
<i>Euphorbia hirta</i> Linn.	Euphorbiaceae	Whole plant	Skin disease
<i>Euphorbia thymifolia</i> Linn.	Euphorbiaceae	Whole plant	Spermatorrhea
<i>Evolvulus alsinoides</i> Linn.	Convolvulaceae	Leaf	Cuts, tonic
<i>Ficus religiosa</i> Linn.	Moraceae	Bark	Gonorrhoea
<i>Heliotropium indicum</i> Linn.	Boraginaceae	Root	Scorpion sting
<i>Hyptis suaveolens</i> Linn. Point	Lamiaceae	Root	Urine trouble
<i>Indigofera linifolia</i> L.f. Retz.	Fabaceae	Leaf	Cuts
<i>Ipomoea fistulosa</i> Mart	Convolvulaceae	Leaf	Swellings and bone injuries
<i>Lantana camara</i> Linn.	Verbenaceae	Twig	Toothache
<i>Ludwigia octovalvis</i> Jacq. Raven	Onagraceae	Whole plant	Tonic
<i>Mimosa pudica</i> Linn.	Mimosaceae	Whole plant	Hydrocoel
<i>Nelumbo nocifera</i> Gartn.	Nymphaeaceae	Root and Flower	Skin disease and liver problem
<i>Nymphaea nouchali</i> Linn.	Nymphaeaceae	Rhizome	Diarrhoea in cattle
<i>Oxalis corniculata</i> Linn.	Oxalidaceae leaf	Leaf	Cuts
<i>Phyla nodiflora</i> Linn.	Verbenaceae	Root	Indigestion
<i>Polygala chinensis</i> Linn.	Polygalaceae	Whole plant	Vertigo, headache
<i>Polygonum glabrum</i> Wild.	Polygonaceae	Leaf	Eczema
<i>Portulaca quadrifolia</i> Linn.	Polygonaceae	Whole plant	Skin disease
<i>Rumex dentatus</i> Linn.	Polygonaceae	Root	Diarrhoea in cattles
<i>Saccharum spontaneum</i> Linn.	Poaceae	Root	Leucorrhoea
<i>Sida acuta</i> Burm. F.	Poaceae	Leaf	Boils
<i>Solanum nigrum</i> Linn.	Solanaceae	Leaf	Gastric disorder
<i>Solanum surattense</i> Burm. f.	Solanaceae	Root, Seed	Gastric disorder
<i>Solanum xanthocarpum</i> Sch, and W.	Solanaceae	Entire plant	Diuretic, anthelmintic
<i>Urena lobata</i> Linn.	Malvaceae	Leaf	Intestinal disorder
<i>Urena sinuate</i> Linn.	Malvaceae	Leaf	Nervous disorders

REFERENCES

Biswas, K. and Colder, C.C. (1937). *Handbook of common water and marsh plants of India and Burma.* Govt. Prev, Delhi.

Duthie, J.F. (1903-29). *Flora of Upper Gangetic Plain and the adjacent Siwalik and Sub. Himalayan Tract.* 2 Vol. London.

Haines, H.H. (1921-25). *The Botany of Bihar and Orissa,* 3 Vols, London.

Jain, S.K. (1989). *Methods and approaches in Ethnobotany* (Society of Ethnobotanist, Lucknow)

Jain, S.K. (1965). Medicinal plants lore of tribal of Bastar, *Eco. Bot.* **19** : 236-250.

Nadkarni, K.M. (1926). *Indian Material medica* (183), Popular Prakashan, Bombay.

