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Preservation of Indigenous Knowledge Regarding Important and Endangered Medicinal Plants in Rajshahi District of Bangladesh

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Abstract: Folk medicines are complemented with other systems of traditional medicines. An account of about 200 hundred plants used in medicine among certain herbal doctors of Bangladesh is given; details of local name, scientific name, method of application or administration and dosage are given. These records include several uses which do not seem to be known or recorded in literature. It is discussed that indigenous knowledge assists in the wider application and acceptance of traditional medicine. This study makes it amply clear that the wild medicinal plants in Bangladesh folk life are used to meet all kinds of requirements. Our grandfathers and grandmothers are the carrier of indigenous knowledge regarding medicinal plants but today we are not conserving this knowledge due to decrease indigenous people. So it is now important to preserve this indigenous knowledge.

Key words: Indigenous knowledge, preservation, folk medicines, important and endangered medicinal plants, herbal doctors, enumerations

Introduction

About 300,000 species of plants have so far been identified in our planet, while tens of thousands were remain undiscovered, of these only 1500 species (about 0.5%) are nurtured for food, fodder, fiber, timber, medicine, beverage and flowers. The rest (95.5%) are still wild. They grow, develop and die uncared (Ahmed, 1997). Bangladesh is located in the South-eastern part of South Asia, stretching between 20°34' and 26°38' North latitude and between 88°01' and 92°41' East longitude. It has a land mass of 1,43,999 km² with a population of about 135 million. Bangladesh possesses a rich flora of medicinal plants which grow in widely distributed forests, jungles wastelands and roadsides. Although more than 546 medicinal plants have been reported to occur in Bangladesh (Yusuf et al., 1994), none of them grow here under systematic cultivation, specifically for medicinal purpose. Suppliers of the local Ayurvedic, Unani and Homeopathic drug manufacturers collect the medicinal plants from their wild nature habitats. Their process of collection sometimes has so indiscriminately exploited many important medicinal plants that Rouvolfia serpentine, Withania somnifera, Hemidesmus indicus, Aristolochia indica and Andrographis paniculata are now under the threat of extinction. This is a very alarming situation with regard to natural growth of medicinal plants in the wilderness in this country. Appropriate steps must therefore be taken immediately in order to preservation of indigenous knowledge regarding medicinal plants and save the situation with regard to natural growth of medicinal plants in the wildness in this country. The global demand for herbal medicine is not only large but

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growing (Srivastava, 2000; Farnsworth and Soejarto, 1991; Shengji, 2001). The market for Ayurvedic medicines is estimated to be expanding at 20% annually in India (Subrat, 2002), while the quantity of medicinal plants obtained from just one province of China (Yunnan) has grown by 10 times in the last 10 years (Shengji, 2002; Moerman, 1998). There is no reliable figure for the total number of medicinal plants on Earth and numbers and percentages for countries and regions vary greatly (Schippmann et al., 2002). Our grandfathers and grandmothers are the carrier of this knowledge but today we are not conserving this knowledge. We are going to lose the knowledge of our indigenous people. The problem of identification of medicinal plants has further been aggravated by the lack of trained manpower and absence of proper facilities in the traditional medicine manufacturing firms. Another problem with these unskilled collectors is in their selection of the specific plant parts. Because of these problems of identification and adulteration of medicinal plants it is difficult to get genuine specimens of even commonly used drugs in the market. The use of traditional medicine and medicinal plants in most developing countries, as a normative basis for the maintenance of good health, has been widely observed (UNESCO, 1996). An increasing reliance on the use of medicinal plants in the industrialized societies has been traced to the extraction and development of several drugs and chemotherapeutics from these plants as well as from traditionally used rural herbal remedies (UNESCO, 1998; WHO, 1970).

Materials and Methods

The present investigation was conducted in 2003, June from 2005, June and four sites were selected for survey. They are denoted 1, 2, 3, 4. Gaibandha, Kurigram, Rongpur, districts are considered to be a site 1. Denajpur, Thakurgao, Punchagur and Lalmonihat districts are considered to be a site 2. Jaipurhat, Bogra and Naogaon districts are considered to be a site 3 and Chapi Nawabganj, Rajshahi, Nator districts are considered to be a site 4. All the relevant materials were thoroughly studied before going into the field. The questionnaires were designed for collection of ethnobotanical and socio-economic data. Local comminutes were selected to participate in this survey on the basis of their reputation for being home to a number of medicinal plants practitioners. Village meetings were held in each of the target villages and the aims and objectives of the survey were discussed. The entire plants as far as possible with their flowers and fruits were collected and took photo/snap.

Results and Discussion

Ethnobiologically a total of 200 medicinal plant species were reported to be used by village Kavirajs especially herbal doctors (Table 1). The method of using these plants varied according to the nature of ailment. In majority of the cases, a decoction of leaves, stems, fruits and roots/tubers is drunk or rubbed on the body to cure ailment(s) mostly decoction is extracted by just crushing the parts in a mortar but sometimes plants parts are boiled with water and the liquid decanted.

Under the present initiative efforts have been made to accumulate this information for some selected medicinal plants having unique behaviour and uses are mentioned.

Ethnobotanical Enumeration of Selected Medicinal Plants of Rajshahi District in Bangladesh Abroma Augusta Linn. (Ulat kombal)

The bark is used for abortion in two to three months old pregnancy. As oral contraceptive the root (about 6-8 cm long) is made into paste with 21 black peppers and given after menstruation for three days. The extract of its stem is used in leucorrhoea.

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S1				Source of		Part of plants		
No	Scientific name	Local name	Family	material	Habit	used	How used	In which diseases
1	Abroma augusta	Ulat Kambal	Sterculiaceae	Thicket jungle	Erect, Shrub	Fruits	Juice for feeding	Menstruation, Weakness.
2	Abrus precatorius	Lal kuch	Fabaceae	Village thicket	Climber	Roots, Seeds, Leaves	Juice for feeding	Antipyretic, Diabetic, Asthma, Cough.
3	Abutilon indicum	Petari	Malvaceae	Edge of Pond	Erect, Herb	Leaves, Roots	Juice for feeding	Cancer, Weakness, Stomach pain.
4	Acalypha hispida	Bara hatisur	Euphorbiaceae	Planted	Erect, Herb	Leaves	Juice for feeding	Weakness, Cough, Diabetes
5	Acalypha indica	Muktajhuri	Euphorbiaceae	Open field	Erect, Herb	Leaves	Juice for surface used	Sore, Ring worm toxic prevention.
6	Accacia farnesiana	Guhibabul	Mimosaceae	Road side	Erect, Shrub	Roots, Leaves	Juice for feeding	Diarrhoea, Sexual debility, Eye disease
7	Achyranthes aspera	Apang	Amaranthaceae	Village thicket	Herb, Erect	Roots, Leaves	Juice for feeding	Urine, Mellitus.
8	Adhatoda vasica	Bashok	Acanthaceae	Home stead	Shrub, Erect	Total	Juice for feeding	Cough Worm control, Stomach pain.
9	Aegle marmelos	Bel	Rutaceae	Planted	Erect	Total	Juice for feeding	Fever, Cough, Energetic, Digestive.
10	Aerva lanata	Chaya	Amaranthaceae	Planted	Erect, Herb	Roots, Seeds	Juice for feeding	Sore Cuts Styptic, Constipation, Aromatic.
11	Aerva sanguinolenta	Nuniya	Amaranthaceae	Open places	Erect, Herb	Total	Juice for feeding and surface used	Sore Cuts Styptic, Constipation.
12	Ageratum conyzoides	Motmotea	Asteraceae	Edge of Pond	Erect, Herb	Total	Juice for feeding, Surface used	Dysentery, Styptic, Ascites
13		Man kuchu	Araceae	Marsh place	Erect, Herb	Total	Juice for feeding	Weakness, Ascites, Pleurisy alveolitis.
14	Aloe indica	Ghreta Kumary	Liliaceae	Planted	Erect	Sucker	Juice for feeding	Weakness, Fever, Brain tonic, Dyspepsia.
15	Aloe vera	Ghreta kunchon	Liliaceae	Edge of Pond	Herb	Sucker	Juice for feeding	Fever, Sexual debility, Eye disease.
16	Alpinia nigra	Bau Ada	Zingiberaceae	Marsh land	Erect, Herb	Rhizome	Juice for feeding	Impotency, Constipation, Energetic.
17	Alternanthera sesilis	Sanchi	Amaranthaceae	Open field	Erect, Herb	Total	Juice for feeding	Fever, Cough, Weakness, Anhydrotic.
18	Amaranthus spinosus	Kanta natey	Amaranthaceae	Open places	Herb, Erect	Total	Juice for feeding	Leucorrhea, Snake bite, Sexual debility,
19	Amaranthus viridis	Ban notey	Amaranthaceae	Open field	Erect, Shrub	Roots, Seeds, Leaves	Juice for feeding	Leucorrhea, Sexual debility, Impotency.
20	Ammania baccifera	Banmarch	Lythraceae	Farmland	Erect, Herb	Leaves	Juice for feeding	Weakness, Fever, Brain tonic.
21	Amorphophalus campanulatus	01	Araceae	Shade	Erect, Herb	Leaves	Juice for feeding	Weakness, Lumbago, brain tonic.
22	Andrographis paniculata	Kala magh	Acanthaceae	Grave yard	Herb, Erect	Leaves	Juice for feeding	Dysentery, Rheumatism, Ring worms.
23	Anisomeles indica	Gobra	Lamiaceae	Village thicket	Herb, Erect	Leaves	Juice for feeding	Tonic, Fever, Cough, Constipation.
24	Argemone mexicana	Seal kata	Papaveraceae	Road side	Herb, Erect	Seed, Roots	Surface used	Tonic, Hair colour.
25	Argyreia argentea	Chotobijtarak	Convolvulaceae	Fallow land	Climbing	Roots, Leaves	Juice for feeding	Fever, Cough, Tonic, Weakness.
26		Bij tarak	Convolvulaceae	Fallow land	Climbing	Total	Juice for feeding	Tonic, Cough, Fever, Obstructive.
27	Aristolochia indica	Essarmul	Aristolochiaceae	Grave yard	Climber	Roots	Juice for feeding	Snakebite, Leucorrhoea, Sexual debility.
28	Asclepias acida	Shomlata	Apiaceae	Jungle	Climber	Leaves	Juice for feeding	Puerperal, Gonorrhea.
29	Asparagus racemosus	Sato mul	Asparagaceae	Planted	Climber	Leaves	Juice for surface used	Sore, Ring worm, Toxic prevention.
30	Azadirachta indica	Nim	Meliaceae	Planted	Tree	Leaves, Fruits	Juice for surface used	Abscess, Itching, Jaundice, Sore, Astyptic.
31	Bacopa monniera	Brahmilata	Scrophularia cea e	Wet place	Herb	Total	Juice for feeding	Brain tonic, Dyspepsia.
32	Barleria cristata	Jhatae	Acanthaceae	Planted	Erect, Herb	Leaves	Juice for surface used	Sore, Itching, Abscess, Constipation.
33	Barleria prionites	Kanta janti	Acanthaceae	Road side	Erect, Shrub	Leaves	Juice for surface used	Sore, Itching, Abscess, Constipation.
34	Biophytum sensitivum	Jhalai/Bannaringa	Oxalidaceae	Open field	Erect, Herb	Roots	Juice for feeding	Pain, Piles, Abscess, Fever, Bubo.
35		Kukur sungga	Asteraceae	Waste	Herb, Erect	Roots, Leaves	Juice for feeding	Cough, Stomach pain, Itching.
36	Boerhaavia diffusa	Punarva	Nyctaginaceae	Fallow land	Herb	Total	Juice for feeding	Fever, Cough, Weakness.
37	20	Gandhagorana	Poaceae	Open field	Herb	Total	Juice for feeding	Fever, Cough, Weakness.
38		Simul mul	Bombacaceae	Planted	Tree	Total	Juice for surface used	Spermatorrhoea, Constipation.
39		Pather kuche	Crassulaceae	Wet places	Herb, Erect	Leaves	Juice for feeding	Gonorrhea, Kidney stone, Piles, Leucorrhoea.
40	Calotropis gigantea	Baro Akanda	Asclepiadaceae	Road side	Shrub	Root, Bark, Leaves	Juice for feeding and surface used	Purgative, Rheumatism, Laprosy, Gonorrhea.
41	Calotropis procera	Sato Akanda	Asclepiadaceae	Road side	Shrub	Root, Bark, Leaves	Juice for feeding and surface used	Bone heal, Ulcer, Itching, Eczema
42		Bhang	Cannabidaceae	Road side	Erect, Shrub	Leaves	Juice for surface used	Crazy, Tetanus, Ring worm, Pleurisy alveoliti
43	Cassia alata	Dad mardon	Caesalpiniaceae	Planted	Shrub	Total	Juice forfeeding and surface used	Astringent, Itching, Tonic, Eczema
44		Sonalu	Caesalpiniaceae	Road side	Tree	Roots	Juice for feeding	Purgative, Cancer.

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No	Scientific name	Local name	Family	material	Habit	used	How used	In which diseases
45	Cassia obtusifolia	Chakunda	Caesalpiniaceae	Edge of Pond	Erect, Shrub	Stems	Juice for feeding	Purifying women's milk.
46	Cassia occidentalis	Boro kalkasunda	Caesalpiniaceae	Village thicket	Erect, Herb	Leaves	Juice for feeding	Fever, Cough,Energetic, Digestive.
47	Cassia siamea	Bora Kalkesunda	Caesalpiniaceae	Planted	Tree	Total	Juice for feeding	Weakness, Sexual, Sensation.
48	Cassia sophera	ChotoKalkesunde	Caesalpiniacea	Wet places	Erect, Herb	Roots, Leaves	Juice for surface used	Diarrhoea, Weakness, Sexual debility.
49	Cassia tora	Kalkasunda	Caesalpiniaceae	Village thicket	Erect, Herb	Roots, Leaves	Juice for feeding	Skin diseases, Asthma, Leucorrhoea, Obstructiv
50	Centella asiatica	Thanquni	Apiaceae	Wet places	Herb	Leaves	Juice for feeding	Dysentery, Body heat.
51	Chenopodium album	Bathuashak	Chenopodiaceae	Open field	Erect, Herb	T otal	Juice for feeding	Weakness, Dyspepsia.
52	Chrozophora rottleri	Khudi okra	Euphorbiaceae	Waste places	Herb	T otal	Juice for feeding	Worm control, Impotency.
53	Cissus quadrangularis	Harzora	Vitaceae	Village thicket	Climber	Stems	Juice for feeding	Fractured bones, Gleet bruises.
54	Cissus repens	Chhoto marmarialata	Vitaceae	Village thicket	Climber	Leaves, Roots	Juice for feeding	Tonic, Cough, Fever.
55	Clematis gouriana	Chagol bati	Ranunculaceae	Jungles	Climber	Roots,Leaves,	Juice for feeding	Snake bite, Sexual debility.
56	Cleome viscosa	Hurhuria	Capparidaceae	Village thicket	Erect, Herb	Leaves	Juice for feeding	Fever, Cough, Dyspepsia.
57	Clerodendrum inerme	Bhat	Verbenaceae	Edge of Pond	Erect, Herb	Leaves, Seeds	Juice for feeding	Ring Worm.
58	Clitoria tarnetea	Aparajeta	Papilionaceae	Village thicket	Climber	Total	Juice for feeding, Surface used	Pox, Itching, Warts, Worm, Control.
59	Coccinea cordifolia	Tala kucha	Cucurb itaceae	Waste Place	Climber	Leaves, Roots, Seeds	Juice for surface used	Diabetes, Itching, Lactation
60	Commelina longifolia	Panikanchira	Commelinaceae	Road side	Erect, Herb	Total	Juice for feeding	Weakness, Sexual, Sensation
61	Corchorus fascicularis	Bon pat	Tiliaceae	Jungles	Herb, Erect	Total	Juice for feeding	Ulcer, Restorative
62	Crotalaria juncea	Shon pat	Papilionaceae	Cultivated	Erect, Herb	Leaves	Juice for feeding	Fever, Cough, Constipation
63	Crotalaria spectabilis	Jhanghania	Papilionaceae	Open field	Erect, Herb	Roots, Stems	Juice for feeding	Weakness, Constipation.
64	Crotalaria vernucosa	Jhanghania	Papilionaceae	Wet places	Erect, Herb	Roots,	Juice for feeding	Brain tonic, Weakness.
65	Croton tiglium	Jaipal	Euphorbiaceae	Edge of Pond	Erect, Herb	Stems, Leaves	Juice for feeding	Diarrhoea, Toxic prevention, Chest pain
66	Curculigo orchioides	Tal muly	Iridaceae	Dry land	Herb	Roots	Juice for feeding	Piles, Jaundice, Asthma, Gonorrhea
67	Curcuma amada	Am ada	Zingiberaceae	Fallow land	Erect	Rhizome	Juice for feeding	Piles, Gonorrhea, Constipation.
68	Curcuma aromatica	Ban haldi	Zingiberaceae	Fallow land	Herb	Rhizome	Juice for feeding	Impotency, Constipation, Energetic.
69	Curcuma caesia	Kalo haldi	Zingiberaceae	Waste places	Herb	Rhizome	Juice for feeding	Weakness, Cough, Diabetes.
70	Curcuma zeoderia	Sati	Zingiberaceae	Waste places	Herb	Rhizome	Juice for feeding	Weakness, Cough, Diabetes.
71	Cuscuta reflexa	Sarnalata	Cuscutaceae	Parasites	Parasite	Stems	Juice for feeding and surface used	Rheumatism, Sore, Fever.
72	Cymbopogon citratus	Lemonghas	Poaceae	Waste places	Erect, Herb	Roots, Leaves	Juice for feeding	Worm control, Weakness
73	Cynodon dactylon	Durbaghas	Poaceae	Dwelling and open places	Herb	Total	Juice for feeding, Surface used	Dysentery, Styptic, Dyspepsia, Sabies.
74	Cyperus rotundus	Muthaghas	Cyperceae	Dense humid places	Erect, Herb	Total	Juice for feeding, Surface used	Diabetes, Stomach, Dyspepsia.
75	Cyperus tagetiformis	Gola methi	Cyperaceae	Waste places	Erect, Herb	Total	Juice for feeding	Well Sleeping, Ascites alveolitis, Flatulence.
76	Desmodium motorium	Turat chandal	Papilionaceae	Waste places	Erect, Herb	Leaves	Juice for feeding	Fever, Cough, Obstructive.
77	Desmodium gangeticum	Salpany	Papilionaceae	Open places	Herb	Stems	Juice for feeding	Brain tonic, Weakness, Constipation, Cough.
78	Desmodium pulchellum	Zuta salpany	Papilionaceae	Village thicket	Shrub	Leaves	Juice for feeding	Sexual in tension, Fever, Piles, Diarrhoea
79	Desmodium triflorum	Kodalia	Papilionaceae	Road side	Erect, Herb	Stems	Juice for feeding and surface used	Sore, Fever, Hepatitis, Metritis.
80	Digera arvensis	Luta	Amaranthaceae	Open field	Erect Herb	Roots, Seeds	Juice for feeding	Piles, Jaundice, Leucorrhoea, Aneuria
81	Duranta repens	Mehedae	Verbenaceae	Open places	Erect, Shrub	Leaves	Juice for surface used	Styptic, Sore, Energetic, Digestive.
82	Dutura fastuosa	Kala Dutura	Solanaceae	Road side	Shrub, Erect	Roots, Seeds	Juice for feeding	Asthma, Lumbago, Sexual debility.
83	Echinochloa colonum	Shoma	Poaceae	Dwelling and open places	Erect, Herb	Fruits	Juice for feeding	Dysentery, Styptic.
84	Eclipta alba	Kess raj	Asteraceae	Wet places	Herb	Total	Juice for used	Leucorrhoea, Tonic.
85	Embelica officinalis	Amloki	Euphorbiaceae	Farm and Opend places	Tree	Fruits	Juice for feeding	Sore, Weakness, Cough.
86	Emberica ojjicirians Enhydra flactuans	Helencha	Asteraceae	Marsh land	Herb	Roots, Leaves	Juice for feeding	Cough, Stomach pain, Itching.
87	Ermyara jiactuaris Eryngium foetidum	Bondhania	Apiaceae	Open places	Erect, Herb	Leaves, Roots	Juice for feeding	Weakness, Stomach pain, Italing.
88	Ethulia convzoides	Tippera	Asteraceae	Village thicket	Erect, Herb	Total	Juice for feeding, Surface used	Pox, Itching, Warts, Worm, Control.

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Table 1: Continued							
SI			Source of		Part of plants		
No Scientific name	Local name	Family	material	Habit	used	How used	In which diseases
89 Euphorbia antiquorum	Narasaj	Euphorbiaceae	Village thicket	Erect, Shrub	Stems, Leaves	Juice for feeding	Sore, Ring worm, Toxic prevention, Chest pain.
90 Euphorbia hirta	Bura kerui	Euphorbiaceae	Road side	Erect, Herb	Leaves, Roots	Juice for feeding	Weakness, Cough, Fever
91 Euphorbia nerifolia	Pata sij	Euphorbiaceae	Open field	Erect, Shrub	Stem	Juice for feeding	Weakness, Stomach pain.
92 Euphorbia orbiculata	Chotto kerni	Euphorbiaceae	Open field	Erect	Stems, Leaves	Juice for feeding	Diarrhoea, Ring worm.
93 Euphorbia pulcherrima	Dudhea	Euphorbiaceae	Dry places	Shrub	Roots	Juice for feeding	Fever, Blood dysentery, Itching, Energeti.
94 Euphorbia thymifolia	Swet Kerui	Euphorbiaceae	Dry places	Herb	Leaves, Roots	Juice for feeding	Diabetes, Dysentry.
95 Euphorbia tirucalli	Duth kusi	Euphorbiaceae	Dry places	Erect, Shrub	Stem	Juice for feeding	Diarrhoea, Ring worm.
96 Euphorbia trigona	Nara saj	Euphorbiaceae	Dry places	Erect, Shrub	Leaves	Juice for feeding	Dysentery, Piles, Dyspepsia, Chest pain.
97 Evolvulus numularius	Bhui okra	Convolvulaceae	Open places	Herb	Leaves, Roots,	Juice for feeding	Tonic, Cough, Fever, Obstructive
98 Ficus raecemosa	Jaga dumur	Moraceae	Road side	Erect, Tree	Leaves	Juice for feeding	Heart disease, Energetic
99 Glinus oppostfolius	Gema shak	Molluginaceae	Wet places	Herb	Total	Juice for feeding	Weakness, Constipation, Digestive.
100 Gloriosa superba	Ulat Chandal	Liliaceae	Planted	Climber	Roots	Juice for feeding	Piles, Tuberculosis, Gonorrhea, Leucorrhoea.
101 Glycosmus arborea	Dadmajon	Rutaceae	Road side	Shrub	Total	Juice for feeding	Sore, Styptic.
102 Glycyrrhiza glabra	Jastimadhu	Papilionaceae	Planted	Erect, Shrub	Total	Juice for feeding	Fever, Cough, Weakness.
103 Gynandropsis gynandra	Sata hur hurea	Capparidaceae	Edge of Pond	Erect, Herb	Leaves	Juice for feeding	Fever, Cough, Dyspepsia
104 Hedyotis corymbosa	Khetpapra	Rubiaceae	Dry places	Erect, Herb	Leaves	Juice for feeding	Phthises, Asthma, Warts
105 Heliotropium indicum	Hati sur	Boraginaceae	Wet places	Herb, Erect	Total	Juice for feeding	Bone heals, Ulcer, Itching, and Eczema.
106 Hemidesmus indicus	Ananto mul	Asclepiadaceae	Planted	Climber	Roots	Juice for feeding	Fever, Lactation, Menstrual regulation.
107 Hydrolea zeylanica	Kasschra	Hydrophyllaceae	Open field	Erect, herb	Fruits	Juice for feeding	Sore, Weakness, Cough Obstructive.
108 Hyptis suaveolens	Tocma	Lamia ceae	Planted	Erect, Shrub	Stems, Leaves	Juice for feeding	Itching, Energetic, Chest pain
109 Ichnocarpus furtescens	Duthe lata	Apocynaceae	Wasted p[laces	Climber	Total	Juice for feeding	Purgative, Rheumatism, Laprosy, Gonorrhea
110 Ipomoea aquatica	Kalmisak	Convolvulaceae	Wet places	Climber	Leaves	Juice for feeding	Carbuncle, Lumbago, brain tonic
111 Ipomoea fistulosa	Dhol kalmi	Convolvulaceae	Open field	Erect, Herb	Leaves	Juice for feeding	Wekness, Cough,Diabetes
112 Ipomoea mauritiana	Vul kumra	Convolvulaceae	Hedges dwellings	Herb	Rhizome	Juice for feeding	Paralysis, Diabetes, Rheumatism.
113 Jatropha curcas	Jama1 gota	Euphorbiaceae	Road side	Erect, Shrub	Leaves, Barks	Juice for feeding	Diabetes, Itching Puerperal
114 Jatropha gossypifolia	Lal Jamal gota	Euphorbiaceae	Dry places	Erect, shrub	Leaves	Juice for feeding	Sore, Ring worm toxic prevention, Chest pain.
115 Justicia gandenusa	Jagatmordon	Acanthaceae	Dwelling and Open places	Erect, Shrub	Leaves	Juice for surface used	Bone diseases, Itching, Abscess.
116 Justicia oreophylla	Choto arusha	Acanthaceae	Grave yard	Erect, Shrub	Total	Juice for feeding	Brain tonic, Ascites Flatulence.
117 Lasia spinosa	Kata kuchu	Araceae	Wet places	Herb, Erect	Roots	Juice for surface used	Sexual debility, Lumbago.
118 Leea macrophylla	Hasti korno palas	Papilionaceae	Planted	Erect, Herb	Leaves, Roots	Juice for feeding	Piles, Jaundice, Asthma, Gonorrhea
119 Leonurus sibiricus	Roktodron	Lamia ceae	Grave yard	Erect, Herb	Leaves	Juice for surface used	Sore, Ring worm toxic prevention
120 Lepidium sativum	Halimshak	Brassicaceae	Waste Place	Erect, Herb	Total	Juice for feeding	Well Sleeping, Ascites alveolitis, Flatulence
121 Leucas aspera	Satodron	Lamiaceae	Open place	Herb, Erect	Leaves	Juice for feeding	Skin diseases, Fever, Cough.
122 Leucas cephalotes	Dandakalos	Lamiaceae	Open place	Herb, Erect	Total	Juice for surface used	Stop bleeding from nose, Brain tonic, Abscess.
123 Leucas lavendulifolia	Danda kalas	Lamiaceae	Dwelling and open places	Erect, Herb	Leaves	Juice for feeding	Impotency, Opthahnia
124 Marsilea quadrifoliata	Susnishak	Marsiliaceae	Marsh land	Herb	Total	Juice for feeding	Well Sleeping, Dyspepsia
125 Melilotus alba	Bonmathy	Papilionaceae	Wet place	Erect, Herb	Leaves	Juice for surface used	Sore, Itching.
126 Mentha arvensis	Pudina	Lamiaceae	Planted	Herb, Erect	Total	Juice for feeding and surface used	Stomach disease, Digestion.
127 Mentha spicata	Podina	Lamiaceae	Dwelling and open places	Herb	Total	Juice for feeding	Cough, Fever
128 Mikania cordata	Assam lata	Asteraceae	Jungle	Climber	Leaves	Juice for feeding	Fever, Cough, Ascites, Dyspepsia
129 Mimosa intisia	Kanto shia	Mimosaceae	Road side	Climber	Leaves	Juice for feeding	Weakness, Brain tonic Flatulence.
130 Mimosa pudica	Sada Lazza bati	Mimosaceae	Dwelling and open places	Climber	Roots	Juice for feeding	Spermatorrhoea, Piles, Abscess, Bubo.
131 Mollugo pentaphylla	Khetpapara	Molluginaceae	Edge of Pond	Erect	Leaves	Juice for feeding	Heart disease, Energetic
132 Monochoria hastata	Baranukha	Pontedericeae	Edge of Pond	Erect	Leaves	Juice for surface used	Sore, Cuts, Ache, Wounds, Scables, Biols.

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Table 1: Continued							
S1			Source of		Part of plants		
No Scientific name	Local name	Family	material	Habit	used	How used	In which diseases
133 Moringa oleifera	Sajna	Moringaceae	Planted	Tree	Leaves, Fruits	Juice for feeding	Weakness, Constipation.
134 Mucuna pruriens	Alkusi	Papilionaceae	Village thicket	Climbing	Roots	Juice for feeding	Antipyretic, Diabetic
135 Nicotiana plumbaginifolia	Ban tamak	Solanaceae	Wet place	Erect, Herb	Leaves, Roots, Seeds	Juice for surface used	Diabetes, Itching, Puerperal.
136 Ocimum americanum	Tulshi (white)	Lamiaceae	Dry places	Erect, Herb	Roots, Leaves, Seeds	Juice for feeding	Asthma, Lumbago, Eye diseases.
137 Ocimum basilicum	Babuitulsi	Lamiaceae	Farm land	Herb	Total	Juice for surface used	Eye diseases.
138 Ocimum gratissimum	Ram tulsi	Lamiaceae	Farm land	Herb	Total	Juice for feeding	Cough, Fever.
139 Ocimum sanctum	Tulsi (Black)	Lamiaceae	Farm land	Erect, Herb	Leaves	Juice for surface used	Fever, Cough, Eye diseases.
140 Oxalis comiculata	Amrul	Oxalidaceae	Wet land	Climber	Total	Juice for feeding	Kidney problem, Fever, Phthisis.
141 Paederia foetida	Gandhavadulia	Rubiaceae	Cultivated	Climber	Roots, Leaves	Juice for feeding	Rheumatism.
142 Passiflora foetida	Jhumkolata	Passifloraceae	Cultivated	Climber	Leaves	Juice for feeding	Piles, Jaundice
143 Peperomia pellucida	Peperomia	Piperaceae	Wet place	Erect	Seeds, Total	Juice for feeding	Snakebite, Leucorrhoea, Sexual debility.
144 Pergularia daemia	Sagol baty	Asclepiada ceae	Road side	Climber	Total	Juice for feeding	Purgative, Rheumatism, Laprosy, Gonorrhea
145 Phyllanthus ninuri	Bhui amla	Euphorbiaceae	Dwelling and open places	Erect, Herb	Leaves, Roots, Seeds	Juice for feeding	Tonic, Cough, Fever, Hepatitis, Metritis.
146 Phyllanthus urinaria	Huzar mari	Euphorbiaceae	Open places	Erect, Herb	Leaves, Roots	Juice for feeding	Weakness, Stomach pain.
147 Physalis minima	Bontipaiya	Solanaceae	Open places	Erect, Herb	Leaves, Roots	Juice for feeding	Edible, Weakness, Cough, Fever
148 Piperchaba	Choi cheta	Piperaceae	Home stead	Climber	Leaves	Juice for surface used	Sore, Ring worm, Toxic prevention.
149 Piper longum	Pipul	Piperaceae	Wet land	Prostrate	Seeds, Total	Juice for feeding	Cough.
150 Plumbago auriculata	Nal chata	Plumbaginaceae	Road side	Erect, Herb	Roots	Juice for feeding	Weakness, Sexual debility.
151 Plumbago indica	Lal cheta	Plumbaginaceae	Edge of Pond	Erect, Herb	Leaves	Juice for feeding	Weakness, Sexual debility.
152 Plumbago zeylanica	Sato cheta	Plumbaginaceae	Road side	Erect, Herb	Roots, Leaves	Juice for feeding	Aphthae, Muscular pain.
153 Polygonum hydropiper	Panibiskatali	Polygonaceae	Edge of Pond	Erect, Shrub	Leaves	Juice for surface used	Sore, Skin diseases.
154 Polygonum lanigerum	Stwet pani marich	Polygonaceae	Open places	Erect, Shrub	Leaves	Juice for surface used	Sore, Ring worm Pleurisy alveolitis.
155 Polygonum lapathifolium	Bis kataly	Polygonaceae	Open field	Herb, Erect	Leaves	Juice for surface used	Sore, Cuts, Ache, Wounds, Scables, Biols.
156 Polygonum orientale	Barapani morich	Polygonaceae	Open field	Erect, Shrub	Leaves	Juice for surface used	Sore, Ring worm, Dyspepsia.
157 Portulaca oleracea	Bara nunia	Portulacaceae	Open field	Erect, Shrub	Fruits, roots	Juice for feeding	Phthises, Asthma, Warts.
158 Pothos scandens	Hatilata	Araceae	Road sides	Erect	Roots	Juice for surface used	Piles, Jaundice, Asthma, Gonorrhea
159 Psidium guajava	Peyara	Myrtaceae	Road side	Tree	Leaves	Juice for feeding	Impotency, Diabetes.
160 Psilotrichum fernugineum	Rakto sirinchi	Amaranthaceae	Open field	Erect, Herb	Total	Juice for feeding	Fever, Cough, Weakness.
161 Pterocarpus santalinus	Rakto chanbon	Caesalpinaceae	Edge of Pond	Erect, Tree	Roots, Leaves		Abscess, Ulcer, Sore
162 Ranunculus scleratus	Polica	Ranuneculaceae	Dwelling places	Erect, Herb	Rhizome	Juice for feeding, Surface used	Gonorrhea, Energetic
163 Rawolfia serpentina	Sarpagandha	Apocynaceae	Jungle	Herb, Erect	Roots, Leaves	Juice for feeding	Expel thread, Worms, Remove anxiety.
164 Rauvolfia tetraphylla	Sarpagandha	Apocynaceae	Road side	Herb Erect	Roots	Juice for surface used	Cholera, Gonorrhea
165 Ricinus communis	Venna	Euphorbiaceae	Road side	Erect, Shrub	Total	Juice for feeding	Tonic, Cough, Fever
166 Rumex maritmus	Bon polong	Polygonaceae	Edge of Pond	Erect, herb	Leaves	Juice for feeding	Ulcer, Restorative, Constipation
167 Salvia plebeja	Bhu tulsi	Lamiaceae	Wet land	Erect, Herb	Leaves	Juice for surface used	Sore, Itching, Abscess, Constipation.
168 Scindapsus officinalis	Goj papul	Araceae	Village thicket	Climber	Fruits, Leaves	Juice for feeding	Sore, Styptic, Tuberculosis.
169 Scoparia dulcis	Bondhonia	Scrophulariaceae	Open field	Erect, Herb	Roots, Seeds, Leaves	Juice for feeding	Asthma, Cough, Obstructive.
170 Sida spinosa	Chul Balla	Malvaceae	Open places	Erect, Herb	Roots, Leaves	Juice for feeding	Worm control, Weakness, Flatulence.
171 Sida acuta	Choto Balla	Malvaceae	Open place	Erect, Herb	Stems, Leaves	Juice for feeding	Sore, Ring worm, Toxic prevention.
172 Sida cordata	Jumca	Malvaceae	Open places	Erect, Herb	Roots	Juice for feeding	Diabetes, Dysentery
173 Sida cordifolia	Berilla	Malvaceae	Edge of Pond	Erect, Shrub	Stems, Leaves	Juice for feeding	Weakness, Gonorrhoea, Dyspepsia.
174 Smilax zeylanica	Beral achra	Smilacaceae	Edge of Pond	Climber	Roots, Seeds, Leaves	Juice for feeding	Sexual debility, Impotency, Phthises, Tuberculosis
175 Solanum ferox	Ram begum	Solanaceae	Road side	Erect, Herb	Stems	Juice for feeding	Sore, Stomachache Hepatitis, Metritis
176 Solanum filicifolium	Tit begun	Solanaceae	Road side	Herb, Erect	Fruits	Juice for Surface used	Weakness, Itching.

Table 1: Continued S1			Source of		Part of plants		
No Scientific name	Local name	Family	material	Habit	used	How used	In which diseases
177 Solanum indicum	Futky begun	Solanaceae	Road side	Herb, Erect	Fruits	Juice for Surface used	Weakness, Itching
178 Solanum nigrum	Kakmachi	Solanaceae	Wet places	Erect, Herb	Stems	Juice for feeding	Abdominal colic, Cracked Gleet bruises.
179 Solanum surattense	Kunto keary	Solanaceae	Edge of Pond	Shrub, Erect	Fruits, roots	Juice for feeding	Phthises, Asthma, Warts
180 Solanum xanthocarpum	Kanto karv	Solanaceae	Open field	Erect, Herb	Leaves	Juice for surface used	Sore, Ring worm, toxic, Sexual disorder.
181 Stephania japonica	Akanadi	Menispermaceae	Village thicket	Climber	Roots	Juice for feeding	Piles, Jaundice, Asthma, Gonorrhea.
182 Steudnera virosa	Bish Kachu	Araceae	Wet place	Erect	Roots	Juice for surface used	Piles, Jaundice, Asthma, Gonorrhea
183 Syzygium cumini	Kala jam	Myrtaceae	Road side	Erect, Tree	Leaves, Seed	Juice for feeding	Impotency, Diabetes.
184 Tarmarindus indica	Tetul	Caesalpiniaceae	Village thicket	Erect, Tree	Leaves, Seeds	Juice for feeding and surface used	Fever, Diabetes, Itching, Snake bite.
185 Terminalia arjuna	Arjun	Combretaceae	Road side	Tree	Barks	Juice for feeding	Heart disease, Digestive, Flatulence.
186 Terminalia belerica	Bohera	Combretaceae	Open field	Tree	Fruits	Juice for feeding	Cough, Fever Opthalmia, Dyspepsia.
87 Terminalia chebula	Haritaki	Combretaceae	Open field	Tree	Fruits	Juice for feeding	Weakness, Dyspepsia
188 Tinospora cordifolia	Gulancha	Menispermaceae	Planted	Climber	Roots	Juice for feeding	Piles, Jaundice
189 Tragia involucrata	Besatu	Euphorbiaceae	Grave yard	Twining, Herb	Leaves	Juice for surface used	Sore, Ring worm toxic prevention.
190 Trianthema portulacastrum	Sato ponorva	Aizoaceae	Open field	Herb, Erect	Total	Juice for feeding	Abirritant, Aborticide
191 Trichosanthes dioica	Patol	Cucurbitaceae	Cultivated	Climber	Leaves, Roots, Seeds	Juice for surface used	Diabetes, Stomach, Dyspepsia.
192 Tridax procumbens	Tridhara	Asteraceae	Open field	Erect, Herb	Leaves, Fruits	Juice for surface used	Abscess, Bubo, Jaundice, Sore.
193 Triumfetta rhomboidea	Banokra	Tiliaceae	Road side	Herb, Erect	Total	Juice for feeding	Fever, Cough.
194 Typhonium trilobatum	Ghetkochu	Araceae	Open places	Erect	Roots	Juice for feeding	Piles, Jaundice, Asthma, Gonomhea
195 Urena lobata	Bon okra	Malvaceae	Open field	Erect, Herb	Total	Juice for feeding	Weakness, Cough, Fever
196 Vanda roxburghii	Rasna	Orchidaceae	Epiphyte	Epiphyte	Leaves	Juice for feeding	Kidney stone, Constipation.
197 Vitex negundo	Nesinda	Verbenaceae	Edge of Pond	Erect, Shrub	Leaves, Roots, Seeds	Juice for feeding	Abdominal colic, Malarial fever, Jaundice.
198 Withania somnifera	Arsogandha	Solanaceae	Wet place	Herb, Erect	Roots, Stems Leaves	Juice for feeding	Sexual debility, Impotency, Phthises, Ascite
199 Xanthium indicum	Ghagra	Asteraceae	Edge of Pond	Herb, Erect	Total	Juice for feeding, Surface used	Piles, Semone
200 Zingiber officinale	Ada	Zingiberaceae	Cultivated land	Herb	Rhizome	Juice for feeding	Abdominal colic, Malarial fever, Jaundice.

Abrus precatorius Linn. (Lal Kuch)

The leaves and roots are crushed and placed in water for 24 h, the extract is filtered through the fine clothe and is given to the patient as antipyretic. Leaves are anti-diabetic.

Accacia farnesiana Willd. (Guababla)

A decoction of bark with black pepper is applied in diarrhoea. A decoction of root with honey is used for cough and sore.

Andrographis paniculata Nees. (Kalamagh)

All parts of the plant above ground are employed in preparing the medicinal decoction which is very bitter and given in fever, worms, dysentery, gastritis cough and lever trouble.

Aloe vera (Ghereetokanchan)

Leaves cut in several parts soaked overnight in a glass of water, next morning they are filtered with fine clothe and the extract is given for cough, fever and weakness.

Amaranthus spinosus Linn. (Katanote)

Leaves are used as vegetables. Total plants are crushed and place in water and the extract is filtered through fine cloth and given to the patient as leucorrhoea.

Aristolochia indica Linn. (Iswarmul)

The root is applied to wounds. The root (8 g) made into paste and given twice daily for three days as an antidote to snakebite. The plant is believed to keep snakes away. The root (3 g) is made into a paste and given twice daily for diarrhoea.

Asparagus racemosus Wild. (Satomuly)

Roots are used in stomach troubles. The root is pounded with tendril of *Smilax zeylenica* and is prescribed as a drink to cure urinary disorder as well as discharge of blood in urine.

Azadirachta indica A Juss. (Nim)

A few leaves are boiled with water and are washed by this boiled for remedy of sore, itching, astyptic etc.

Bryophyllum calycinum Salisb. (Pathar Kuchi)

The leaves are made into paste and given with honey as a remedy for gonorrhea, kidney stone and piles.

Bombax ceiba L. (Simul Mul)

The root of young plant (10 g) is made into paste and filtered through cloth and given twice daily for four to five days in spermatorrhoea.

Calotropis gigantea R.Br. (Baro Akanda)

The milky juice is used as purgative, leaves after crushing are applied on the injury or swelling, rheumatism, leprosy; the bark of the root is given in dysentery.

Cannabis sativa Linn. (Bhang)

Root is made into a paste with 25 black pepper and given twice daily for crazy and tetanus. It also relieves pain of dysmenorrhoea, menorrhagia and phthisis. Seed oil is used in rheumatism. It is also used in cancer chemotherapy and its extract is effective in curing cancer pain.

Cassia alata Linn. (Dad Mardon)

The root 5 g is made into paste along with 31 black peppers and given to nursing women for purification of the milk. Sugar candy water is given for drinking, used in eczema, ring worm.

Cassia fistula Linn. (Sonalu)

Pulp of the fruits is used as purgative.

Cassia occidentalis Linn. (Boro Kalkasunda)

The root is made into a paste and given to nursing women for purification of the milk.

Cassia tora Linn. (Kalkasunda)

Leaves and seeds are used as remedy for ring worm, skin disease and asthma.

Centella asiatica (Linn.) Urban. (Thankuni)

The whole plant mixed with *Oxalis corniculata* is boiled and taken to cure dysentery. Paste of leaves with black pepper and salt is used to cool down the body heat.

Cissus quadrangularis Linn. (Harzora)

Stem juice is used to remove sprain and also hasten the union of fractured bones.

Cleome viscosa Linn. (Hurhurea)

Five drops of fruit juice are dropped in each ear once daily for three days to cure intermittent fever. The juice from crushed fruits is dropped in to an aching ear.

Coccinia cordifolia L. Cogn. (Talakucha)

The root is made into paste with *Cynodon dactylon* and the paste is again mixed with goat's milk which is given once daily in an empty stomach for five days to lady after child birth for lactation. It is also effective for rheumatism and leaf used in diabetes.

Croton tiglium Linn. (Jaipal)

A decoction of the bark (10 g), rhizome of *Zingiber monforum* and black pepper is given in cholera and diarrhoea.

Curculigo orchiodes Gaertn. (Tal Muley)

Tuber is made into paste with 10 seeds of gram and given once daily to stop nose bleeding. The tuber (about 1 cm) is boiled, coated with boiled rice and swallowed twice daily as a cure of piles.

Curcuma zedoaria Roscoe. (Sati)

The rhizome (8 g) is made into paste and given twice daily for three days as an antidote to snakebite. The rhizome is made into a paste with rice water (decanted water after cooking rice with little jaggery) and given for diarrhoea.

Cuscuta reflexa Roxb. (Sarnalata)

Plant is made into a paste and used a balm in body-ache and rheumatism.

Cynodon dactylon Pers. (Durba)

Leaf juice is applied to cuts wounds and scabies, stop bleeding.

Desmodium gangeticum DC. (Salpany)

The whole plants are useful for piles, diarrhoea.

Desmodium motorium (Houtt). (Turut Chandal)

Worm leaf juice is applied on the chest in case of cough. The bark is used in medicine applied in eyes, especially for babies. A soup made with bark of this and leaves of *Adhatoda vasica* is given to cure cough and cold.

Datura fastuosa L. (Dutura)

The bark is mixed with *Terminalia arjuna* and pounded. The resulting paste is rubbed on the body in cases of internal injuries (by falling etc.). It is also believed to knit broken bone, seed leaf used in asthma.

Embelica officinalis Gaertn. (Amloky)

Fruits are called the king of vitamin C. By eating it gonorrhea and itching are remedy.

Euphorbia trigona (Narasaj)

The root is crushed with equal quantity of ginger and made into pills. One pill is taken in the morning till piles are cured.

Euphorbia pulcherrima Wild. (Dudhea)

In body pain, fever and blood dysentery, the root is powdered and taken with water. It is useful in removing worms in children and bowel complaints. The latex of the herb promotes formation and flow of milk in women.

Gloriosa superba Linn. (Ulat Chandal)

The root-paste is applied to the tongue in Benga disease in cows (the tongue becoming thick and full of tubercles). The root is also used as a single dose of the paste of 1cm. long root and three black peppers with milk in administered; this work in pregnancies of up to four months. Root made into a paste with mustard oil which is applied on the body for curing periodic fever. It should be continued for four days. Leaf paste is heated and applied on the forehead and neck for seven days for curing asthma of children. Pulverised leaves and stem with sugar candy are soaked overnight in a glass of water: Next morning they are pressed in between the palms and strained. The decoction thus prepared is prescribed once daily on an empty stomach for seven days Gonorrhea and for concentration of semen.

Heliotropium indicum Linn.(Hatisur)

Leaf juice is used for curing fistula. A paste of the roots is applied on bone fracture. The treatment is renewed each day till the bone heals.

Hemidesmus indicus R. Br. (Anantomul)

The root is made into a paste with *Cynodon dactylon* and the paste is again mixed with goat's milk which is given once daily on an empty stomach for seven days to a lady after birth for lactation.

Ipomoea mauritiana Jacq. (Bhui Kumra)

Underground tuber (10 g) made into paste and given with sugercandy twice daily for two to three days in diabetes. The rhizome is also taken in a very small proportion and given with breed for rheumatism and paralysis.

Justicia gendarusa Linn. (Bissllo Caroly)

The leaves are made into paste. The paste is kept and lied in case of fructured and dislocated bones. Some times it is mixed with *Cissus queadrangularis* and ginger juice for a more effective cure.

Leea macrophylla Hornem. (Hasticorno Polas)

This plant is an herbal supplement for men who are concerned about sexual performance or penile erectile dysfunction or male libido. This herb has a high flavonoid and flavonoid glycoside content with the many benefits ie. Initiates an erection at awakening, increases the frequencies of erections, improves the strength of the penis, lengthens the duration of the erection, prolongs the duration of the erection after ejaculation, increases interaction frequency, increase sexual life satisfaction. According to local folklore, it has been told that a man who regularly takes the root reached the age of 180 years.

Leucas aspera Spreng. (Satodron)

Leaf juice is put into eyes two or three times daily with leaf juice of *Ocimum americanum* to relieve burning sensation and redness of eyes. A leaf decoction is given in cough; Leaf juice is applied for the treatment of skin diseases.

Leucas cephalotes Spreng. (Dondokalas)

The leaf paste is fried and applied on the forehead to relieve pain.

Justicia oreophyllas C.B. Clarke. (Choto Arusha)

The leaves are an ingredient for the preparation of a medicine used in curing insect stings of a serious nature.

Mentha spicata L. (Podina)

Cure chest problem, the leaves are dried, crushed and mixed with oil. The paste is applied on the chest for cough. The whole plant is made in to paste along with 5 black peppers and given to nursing women for purification of the milk. Suger candy water is given for drinking.

Mimosa pudica Linn. (Sada Lazzabaty)

The root (5 g) is made in to paste with Talmul (Curculigo orchiodes), Satomul (Asperagus racemosus) and konto kumarey (Smilax zeylanica) filtered through cloth and given twice daily for four to five days in spermatorrhoea.

Mucuna pruriens DC. (Alkusi)

Seeds eaten for increasing potency, hairs of seed coat admistered as vermifuge.

Ocimum americanum Linn. (Sada Tulsi)

The juice of the leaves mixed with little salt is poured in eyes in conjunctivitis and other eye diseases.

Ocimum basilicum Linn. (Babui Tulsi)

The ripe seeds of the plant are soaked in water and put into the eyes for bringing out foreign particles.

Ocimum sanctum Linn. (Kala Tulsi)

The entire plant is dried, powdered and sprinkled over the plants infested with insect pests. The leaves are used in cold and cough.

Oxalis corniculata Linn. (Amrul)

The whole plants along with ginger is made a paste and applied for dysentery. The leaf juice taken along with honey is claimed to cure chronic cough. The leaves are also used for curing kidney problems.

Paederia foetida Linn. (Gandhavadulia)

Leaves are used as vegetables. It helps in movement of bowels, useful in stomach pain and rheumatism.

Physalis minima Linn. (Ban Tepariya)

Leaves and tender stems are used as greens. Fruits are edible.

Piper longum Linn. (Pipul)

A few leaves are cooked with rice and given to children to relieve cough. The decoction of leaves is reported to cure enlarged spleen in children as well as in adults.

Plumbago zeylanica Linn. (Chata)

The roots are washed, pounded and boiled in milk and given to relieve muscular pain: They are also tied round the wrist or round the same purpose.

Polygonum hydropiper Linn. (Pani Biakataly)

The leaves are mashed into a paste and applied as a balm for skin disease.

Polygonum lapathifolium Linn. (Biskalaly)

Leaf paste is applied to ring-worm and itching of skin surfaces.

Rauvolfia serpentina Benth. (Sarpoghandha)

The root (3 g) is made into a paste and given to relieve stomachache and to expel thread worms. A decoction of the root along with black pepper is given to expel intestinal worms in children. Root is used in insomnia, high blood pressure anxiety, excitement, schizophrenia, insanity, epilepsy, hypochondria and disorders of the central nervous system.

Rauvolfia tetraphylla Schott. (Sarpoghandha)

Root is made into paste, which is prescribed in anaemia once daily an empty stomach for four days. Children suffering from the disease of wetting at night are cured if they eat their food served on the leaves of this plant and use the stem as a toothbrush in toothache, spongy gum and worm out teeth.

Scindapsus officinalis (Roxb) Schpt. (GojPapul)

Crushed roots of the young plants (10 g) or seeds are given to relieve stomachache.

Sida acuta Burm. (Choto Balla)

The paste of the root (8 g) with three black peppers is administered once daily for three days in swelling of the neck. Root is made into a paste which is mixed with mustarded oil and heated. It is applied on the waist as a remedy for pain, for two or three days.

Sida cordifolia L.

Pulverised leaves and stem with sugar candy are soaked overnight in a glass of water: Next morning they are pressed in between the palms and strained. The decoction thus prepared is prescribed once daily on an empty stomach for seven days Gonorrhoea and for concentration of semen.

Smilax zeylanica Linn. (Kumarilata)

This is very important medicinal plant and used in various diseases ie. dysentery, epilepsy, leucorrhoea, menstrual disorder, rheumatism, spermatorrhoea and tuberculosis.

Solanum xanthocarpum Schrad And Wendl. (Kantokeary)

Paste of roots bark in water is used to reduce heat in the body as well as in sexual disorder.

Solanum ferox Linn.(Ram Bagun)

Green leaves are used in the treatment of stomachache.

Syzygium cumini (L.) Skeel. (Kalazaam)

Crushed of seeds are soaked and filtered by fine clothe. This extract is given for diabetes.

Terminalia arjuna Bedd (Arjun)

Bark with sugar candy are soaked over night in a glass of water. Next morning they are filtered and is prescribed once daily on an empty stomach for seven days in heart diseases.

Terminalia belerica, Roxb. (Bohera)

Fruit are crushed and given in cough and fever.

Vitex negundo Linn. (Nisinda)

The leaves when boiled and taken, cure severe stomach aches; for cuts and injuries, the apical leaves are made into paste with slaked lime and applied on the cuts; this stops the bleeding. A decoction of the leaves (five to six) is given in malarial fever. The leaf paste is applied externally in body pain the leaf extract is given orally in dropsy. It is also used in jaundice.

Withania somnifera Dunal. (Ashogandha)

It is a very important herb in ayurveda, the traditional medicine. It is used for tumors, inflammation including arthritis) and a wide range of infectious diseases. The shoots and seeds are also used as food and to thicken milk.

Under the present investigation the information regarding medicinal plants in the Rajshahi district was carried out by questionnaires survey. We have developed the questionnaires for the survey of medicinal plants through trial and errors under several observations. There are many questionnaire survey used by different workers. Information collected by their survey was not totally applicable in my cases and every one had some limitations on our perspectives. Most of the herbal doctors are

illiterate and in most cases inherited the expertise from their fore fathers and they are very much reluctant about sharing any knowledge. Herbal doctors are not agreed to show any medicinal plants even they are not agreed to talk any name of medicinal plants in some cases. Herbal doctors have strong believed on the effectiveness of medicinal plants. There has been superstition among the herbal practitioners and they believe if they share this knowledge, the medicinal plants will lose their activation. For collection of sufficient information many important medicinal plants or their seeds are supplied to the herbal doctors as the incentive to make them agreed for sharing knowledge.

Herbal doctor's indigenous knowledge is very important. They acquire this knowledge from their fore fathers or teachers (Ostad) and by practical application there is no records in any books or journals about their indigenous knowledge. In this study ethnobotanically a total 200 plant species were reported to be used by the people of this area, of which most of them are used for medicine, vegetables and fruits. Remaining was used as house building material, fuel, fodder etc. Medicinal plants were reported to be used in traditional health care system to cure common ailments (i.e., fever, headache, rheumatism, diarrhoea, teethache, stomach pain, wounds and boils, asthma, jaundice, eye disease, cold and cough, hurt/fracture, delivery). The method of application varies according to the nature of ailment. In majority of the cases, a decoction was used or rubbed on the body. Usually decoction was made by crushing the parts in a mortar, sometimes plants parts were boiled with water and the liquid is decanted. Decoction was applied externally on the wounds or the infected part. In some cases (in fracture) the part(s) was plastered to set dislocated or fractured bone or relieve muscular pain i.e., Heliotropium indicum, Cissus, quadrangularis, Lasia spinosa. In some cases combinations of plant parts are used for best results i.e., fever. Combinations of leaves or seeds of Cassia occidentalis and leaves of Andrographis paniculata are found to be best result. In some cases single plant is used for different diseases i.e., root of Curculigo orchioides is used for piles, Jaundice, Asthma, Gonorrhoea, leaves of Andrographis paniculata are used for worm control, fever, cough, stomach pain. Traditional practices as observed under the study in most of the cases were found similar to the recorded information published in different medicinal books and journals. But some observations were found unique and unilaterally existing over this study area as traditional practices.

In recent years, there has been growing interest in the herbal medicines which are in use in the Ayurvedic, Uniani and other systems of medical treatments. The recording of indigenous knowledge based on traditional health care systems becomes increasingly important. The Rajshahi district is a large area and one of the significant geographical regions of the country still holds some ancient culture and practices. The results and information came out from the present investigation suggests that there is a strong need of extensive inventories and documentation of uses as well as indigenous knowledge available over the areas of the Rajshahi district.

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