

Plants from Flora of Bannu Used in Unani Medicines

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Abstract: The present study was carried out during 2014 in district Bannu. The main purpose of this study was to identify and enlist the plants used in Unani medicines. A total of thirty five Unani medicines prepared from 226 species belonging to 58 families were studied, arranged systematically along with name of product, available form, company name, name of the plants/parts used in the drugs, family name and purpose of uses. During the study it was found that most of the members of Apiaceae and Fabaceae with 20 species (34.48%), Zingiberaceae contributed 15 species (25.86%), Lamiaceae 11 species (18.97%), Rosaceae and Solanaceae 10 species (17.24%), Combretaceae and Malvaceae 9 species (15.51%), Lauraceae with 8 species (13.79%) Boraginaceae, Rhamnaceae and Asteraceae 7 species (12.07%) Rutaceae with 5 species (10.42%) were used in these medicines. Plants which were used commonly in these medicines in one form or the other were *Foeniculum vulgare*, *Ocimum cannum* *Solanum nigrum*, *Zingiber officinale* and *Ziziphus jujuba*. It was noted that these products are mostly available in syrup form, rarely in tablets form (Hab –khoom Safa, Mensorine, Scony) and one only one product in dry powder (Supari Pak). It is generally believed that these medicines have no side effect. Interestingly one medicine is suggested for many diseases as per the given instructions in the medicine pack. It was also noted that the manufacturers of these medicines are mostly not registered that's why incomplete addresses along with the wrongly spellings plant name given on the medicine packs.

Key words: Medicinal plants • Bannu • Unani Medicines

INTRODUCTION

Bannu is a district of khyber Pakhtoonkhwa. It lies between 32.43 to 33.06 North latitude and from 70.22 to 70.57 East longitudes. It is bounded in the North by the Tribal Area and in the East by Karak district, while in the South by Lakki Marwat of Bannu district. It is situated at a distance of 190 km, in the south of Peshawar. The total area of the district is 1227 square kilometers (Fig.1). Its population is more than half a million. Majority of the population live in villages. Bannu is endowed with a variety of ecological zones and fascinating plant resources. Most of these plants are known to possess medicinal and economic values and the local people in rural area have known their uses for the past several hundred years [1-3].

Medicinal plants have been under the constant vigilance of botanists and ethanobotanists to analyze its germplasm for pharmaceutical purposes as a remedy of different common diseases under different environmental regimes throughout the world. It is a

never ending process and botanists have to continue their effort constantly to reveal actual ingredients and the usefulness of medicinal flora to man kind on global basis. They have a strong linkage with human health. Not only, the old ayurvedic and Unani system of medicinal treatment depend on herbal drugs but the other systems including allopathic and homeopathic directly or indirectly depend upon the herbal drug plants for the preparation of certain synthetic drugs [4,5]. Medicinal plants and plant-derived medicine are widely used in traditional remedies all over the world and they are becoming increasingly popular in modern society as natural alternatives to synthetic chemicals. Although, ethnobotany is highly neglected field in Pakistan, but different botanists published a series of papers on medicinal plants of Pakistan and reported that 84% of Pakistan's population was depending on traditional medicines for all or most of their medicinal need. Present study will contribute more to the ethnobotanical information regarding flora of Bannu area[6-9].



Fig. 1: Map of District Bannu with the location of the study area.

MATERIALS AND METHODS

The present study was conducted during 2012 in District Bannu, to know about the use of medicinal plants in Unani medicines. For the said purpose frequent visits were arranged to the shops of Pansari, Unani Dawakhany and Hakims of District Bannu City. They provide the available literatures, sent to them by different suppliers and manufacturers. Long hour's meetings were arranged with them to know about their ideas, expertise and use of these medicinal plants for different diseases. They provide the packs of the different medicines on which clearly printed the following information: Compositions: (that includes all the medicinal plants used in the medicines), Uses, Precautions, Dosage and Side effects. The collected information was presented in different table form explained in result and discussion part of the paper. [10-14].

RESULTS

During the present study as at whole 35 Unani medicines were reported and arranged systematically along with name of product, available form, company

name, name of the plants/parts used in the drugs, family name and purpose of uses (Table 1). During the research it was found that most of the members of Apiaceae and Fabaceae with 20 species (34.48%), Zingiberaceae contributed 15 species (25.86%), Lamiaceae 11 species (18.97%), Rosaceae and Solanaceae 10 species (17.24%), Combertaceae and Malvaceae 9 species (15.51%), Lauraceae with 8 species (13.79%) Boraginaceae, Rhamnaceae and Asteraceae 7 species (12.07%) Rutaceae with 5 species (10.42%), Euphorbiaceae, Fumariaceae, Gentianaceae, Iridaceae, Meliaceae, Moraceae, Poaceae with 4 species (6.90%), Brassicaceae, Papaveraceae, Santalaceae, Smilacaceae, Valerianaceae and Violaceae having 3 species (5.17%), similarly Acanthaceae, Apocynaceae, Berberidacea, Gnetaceae, Leguminaceae, Linaceae, Menispermaceae, Myrtaceae, Nymphaeaceae and Piperaceae contributed 2 species (3.49%). While, remaining families like Adiantaceae, Aloeaceae, Ancardiaceae, Arecaceae, Asclepediaceae, Compositae, Convolulaceae, Crassulaceae, Cucurbitaceae, Cupressaceae, Longaniaceae, Lythraceae, Magnoliaceae, Mimosaceae, Myristiaceae, Pedaliaceae, Plumbaginaceae, Polygonaceae, Ranunculaceae, Rubiaceae, Scrophulariaceae and Vitaceae having

Table 1: Name of product along with its available form, company name, name of plants, its family and uses

1.	Name of Product	Form	Company Name	Name of Plants/ Parts Used in the Drugs	Plants Family	Uses
2.	Alertis cardiales syrup	Syrup	Meditif natural division Lahore	<i>Junipor berries</i> <i>Foeniculum vulgare</i> <i>Apium</i> <i>Rhevm</i> <i>Omum seed</i>	Cupressaceae Apiaceae Apiaceae Polygonaceae Apiaceae	Used for quick relief from all types of cough.
3.	Anti -allergic	Syrup	SDR-Mughal pur Lahore	<i>Cassia duna</i> <i>Nymphaea lotus</i> <i>Rosa damascene</i> <i>Swerting chirata</i> <i>Dilbergia sisso</i> <i>Melia azadirachta</i>	Fabaceae Nymphaeaceae Rosaceae Gentianaceae Fabaceae Meliaceae	Anti allergy
4.	Arq-e-Gulab Ajmalii	Syrup	Dawkhana Hakim Ajmal Khan Pvt-Ltd Pakistan	<i>Glycerhiza glabra</i> <i>Rosa damascene</i>	Fabaceae Rosaceae	Irritation, redness and inflammation of eye, Mild laxative for infants, mild cardiac.
5.	ARQ-E- MEHZAL	Syrup	Lasani Pharma (Pvt) Ltd Lahore	<i>Badiyan</i> <i>Ajwain kharasani</i> <i>Ocimum Tenviflorum</i> <i>Mentha sylvestris</i> <i>Rosa indica</i> <i>Cichorium intybus</i>	Magnoliaceae Solanaceae Lmiaceae Lamiaceae Rosaceae Asteraceae	Tone up body shape Improve metabolism Detoxifies body and restrict absorption of toxin to body.
6.	Arque-e- Badian	Syrup	Qarshi indusrries Hripure	<i>Foeniculum vulgare</i>	Apiaceae	It is used for digestive system
7.	Berberis Fort	Syrup	Akram brothers unani lab Habib abad	<i>Pareia brava</i> <i>Berberis vul</i> <i>Sarsaparilla</i> <i>Solidago</i>	Berberidaceae Berberidaceae Asclepediaceae Asteraceae	Effective against renal calculi and inflammation of the kidney and bladder
8.	Ellergy Roark	Syrup	Akram brothers unani lab Habib abad	<i>Cassia china</i> <i>Sphaeranthus indicus</i> <i>Nymphaea lotus</i> <i>Dilbergia sisso</i> <i>Fumairtia paeviflora</i> <i>Melia azadirachta</i> <i>Swerting chirata</i> <i>Tephrosia purpurea</i> <i>Curcumca caesia</i> <i>Rosa damascena</i> <i>Chrozophra plicate</i> <i>Canscara decussate</i> <i>Terminalia chebula</i> <i>Pterocarpus santalinus</i> <i>Cuscuta reflexa</i> <i>Ocimum canum</i> <i>Lauendvia stoechas</i> <i>Tinospora cardifolia</i> <i>Ipomea turpethum</i> <i>Bauhina varigata</i>	Fabaceae Asteraceae Nymphaeaceae Fabaceae Fumariaceae Meliaceae Gentianaceae Fabaceae Zingiberaceae Rosaceae Euphorbiaceae Gentianaceae Combretaceae Gentianaceae Combretaceae Fabaceae Convolutulaceae Lamiaceae Lamiaceae Menispermaceae	These products are effective for all types of allergy.
9.	Gasmonix syrup	Syrup	A quality product from phoenix pharma Hajvery Town Lahore PAK.	<i>Elletaria cardamomum</i> <i>Zingiber</i> <i>Atropa belladonna</i> <i>Valerian rhizome</i> <i>Hedychium spectrum</i> <i>Rosa damascene</i> <i>Cinnamon -bark</i> <i>Foeniculum vulgare</i> <i>Barassisca compestris</i>	Zingiberaceae Zingiberaceae Solonaceae Valerianaceae Zingiberaceae Rosaceae Lauraceae Apiaceae Brassicaceae	Infant colic, intestinal colic, Acute chronic dyspepsia, indigestion loss of appetite. Flatulence nausea Vomiting.
10.	Gastonix Drop	Syrup	Phoenix pharma Hajvery Town Lahore PAKISTAN	<i>Zingiber</i> <i>Nut megs</i> <i>Mint-citron</i> <i>Picrorrhiza</i> <i>Foenculum vulgarei</i> <i>Emblis- mytoblan</i>	Zingiberaceae Myristiaceae Lamiaceae Scrophulariaceae Apiaceae Fabaceae	It is anti spasmodic and anti flatulence.

Table 1: Continued

1.	Name of Product	Form	Company Name	Name of Plants/ Parts Used in the Drugs	Plants Family	Uses
11.	Golden faulad	Syrup	SDR-Mughal pur Lahore	<i>Terminala chebula</i> <i>Terminala bellarica</i> <i>Crocus sativus</i> <i>Santalum album</i> <i>Emblica officinalis</i> <i>Rosa indica</i>	Combretaceae Combretaceae Iridaceae Santalaceae Euphorbiaceae Rosaceae	General weakness Neuralgia Anemia Mental disorder
12.	Gulban	Syrup	Marhaba lab;	<i>Borago officinalis</i> <i>Bombyx mori</i> <i>Ziziphus vulgaris</i> <i>Cordia latifolia</i> <i>Glycyrrhiza glabra</i> <i>Linum usitatissimum</i> <i>Trachyspermumammi</i> <i>Papaver somniferum</i> <i>Althaea officinalis</i> <i>Foeniculum vulgare</i> <i>Adiantum capillus</i>	Boraginacea Malvaceae Rhamnaceae Boraginaceae Fabaceae Linaceae Apiaceae Papaveraceae Malvaceae Apiaceae Adiantaceae	Cough, Cold and all affections of respiratory tract
13.	H -Zyme syrup	Syrup	H-R Pharma international (Reg) 1 st floor zahoor building 16-Abbot Road Lahore Pak	<i>Cuminum-cyminum</i> <i>Cinnamomum tamala</i> <i>Mentha arvensis</i> <i>Valeriana officinalis</i> <i>Cinnamomum zeylanicum</i> <i>Foeniculum valgare</i> <i>Zingiber officinale</i>	Apiaceae Lauraceae Lamiaceae Valerianaceae Lauraceae Apiaceae Zingiberaceae	Digestive enzyme Stomach problems
14.	Hab -khoom Safa	Tablets	Ishaq unani Dawkhan (Reg) Faisalabad	<i>Santalum album</i> <i>Zizipus vulgaris</i> <i>Smilax chinensis</i> <i>Smilax officinalis</i> <i>Sphaeranthus hirtus</i> <i>Fumer parviflora</i> <i>Citrullus colocynthis</i> <i>Terminalia chebula</i> <i>Emblica officinalis</i> <i>Terminalea bellarica</i>	Santalaceae Rhamnaceae Smilacaceae Asteraceae Fumariaceae Cucurbitaceae Combretaceae Euphorbiaceae Combretaceae Combritaceae	Used for blood purification and skin disease as itch, acne chamble, phaccher inflammation,pustles,pimple acne, effective formula for relief in constipation.
15.	Hi-card	Syrup	Hi -zone Lab Lahore	<i>Saliva haemotodes</i> <i>Foeniculum vulgare</i> <i>Citrus indica</i> <i>Cinnamomum camphoar</i> <i>Rauwalfia serpentina</i>	Lamiaceae Apiaceae Rutaceae Lauraceae Apocynaceae	Heart tonic
16.	Iksir-e-Jiger	Syrup	Qarshi-Industries (pvt) Ltd.	<i>Viola odorata</i> <i>Foeniculum vulgare</i> <i>Cichorium intybus</i> <i>Vitis vinifera</i> <i>Borago officinalis</i> <i>Salomon nigrum</i>	Violaceae Apiaceae Asteraceae Vitaceae Boraginaceae Solanaceae	Effective for hepatic disorder, jaundice, anemia, liver enlargement, liver inflammation, heart burn and bladder irritation. Helpful in restoring liver and stomach function
17.	Irogini Tonic	Syrup	Hit Natural Pharma Lahore	<i>Zingiber officinalis</i> <i>Cinamonum tamala</i> <i>Nux vomica</i> <i>Withiana samnifera</i> <i>Card momum</i> <i>Rose gallica</i> <i>Borago officinales</i>	Zingiberaceae Lauraceae Longaniaceae Solanaceae Zingiberaceae Rosaceae Boraginaceae	General debility Anemia Pregnancy Lactation Fatigue Stress
18.	Jeveran Tonic	Syrup	SDS Mughal pura Lahore	<i>Hibiscus abelmoschus</i> <i>Crocus</i> <i>Bombyx mori</i> <i>Lavendula stoechas</i> <i>Anachyllus pyrethrum</i> <i>Cinnamomum tamala</i>	Malvaceae Iridaceae Iridaceae Lamiaceae Asteraceae Lauraceae	Used for fatigue and general weakness.

Table 1: Continued

1.	Name of Product	Form	Company Name	Name of Plants/ Parts Used in the Drugs	Plants Family	Uses
19.	Link us syrup	Syrup	Herbian pharma Ltd Karachi	<i>Ahatoda vasica</i> <i>Glycerhiza glabra</i> <i>Peper glabra</i> <i>Viala longum</i> <i>Cordia latifolia</i> <i>Althea officinalea</i> <i>Alphinia galangal</i>	Acanthaceae Fabaceae Piperaceae Violaceae Boraginacea Malvaceae Zingiberaceae	Used for quick relief from all types of cough.
20.	Mensorine	Tablets	S-D-S Mughal pura Pakistan	<i>Garden nerve</i> <i>Nigell sativa</i> <i>Aloes</i> <i>Syzygium aromaticum</i> <i>Crocus sativus</i> <i>Indiaan mader</i>	Acanthaceae Ranunculaceae Aloeaceae Myrtaceae Iridaceae Fabaceae	Used for menstrual disturbance
21.	Multi -F	Syrup	Pak Atli Lahore	<i>Avena sativa</i> <i>Cola cuminate</i> <i>Rhamnus fragula</i> <i>Citrus vulgaris</i> <i>Rosa damasena</i> <i>Saliva haemotodes</i>	Poaceae Malvaceae Rhamnaceae Rutaceae Rosaceae Lamiaceae	General debility, Physical exertion, Mental fatigue, Loss of appetite, Anemia, energetic Stimulating,
22.	Natural Ashali syrup	Syrup	The top natural secrets Lahore Pakistan	<i>Aagl marmelas</i> <i>Malus domentica</i> <i>Atropa belladonna</i> <i>Cardamom oil</i> <i>Pimpinella anisum oil</i> <i>Peppermint oil</i>	Rutaceae Rosaceae Solanaceae Zingiberaceae Apiaceae Lamiaceae	Anti-diarrhea Antispasmodic Anti-flatulence/ carminative base
23.	Palma -nex syrup	Syrup	Phoenix pharma 7km Multan Road Hajjuery Town Lahore Pak	<i>Ziziphus jujube</i> <i>Corn</i> <i>Liquirice</i> <i>Echium vulgare</i> <i>Vasaka</i> <i>Sochitia latifolia</i> <i>Foeniculum vulgare</i> <i>Opium poppy</i>	Rhamnaceae Poaceae Fabaceae Boraginacea Zingiberaceae Fabaceae Apiaceae Papaveraceae	Used for quick relief from all types of cough.
24.	Pepper mint syrup	Syrup	Riaz Dawakhana Faislabad Pakistan	<i>Amomum subulatum</i> <i>Andropogon muricatus</i> <i>Cassia angustifolia</i> <i>Cinnamomum cassia</i> <i>Cinnamomum officinales</i> <i>Coriandrum sativum</i> <i>Cuminum cyminum</i> <i>Foeniculum vulgare</i> <i>Menthe avensis</i> <i>Piper nigrum</i> <i>Plumbago zeylancia</i> <i>Ptychositis ajowan</i> <i>Ruta graveolens</i> <i>Solanum nigrum</i> <i>Zingiber officinale</i>	Zingiberaceae Poaceae Fabaceae Lauraceae Lauraceae Apiaceae Apiaceae Apiaceae Lamiaceae Piperaceae Plumbaginaceae Apiaceae Rutaceae Solanaceae Zingiberaceae	It stimulate digestive system Effective for nausea, vomiting, dyspepsia, flatulence and abdominal pain.
25.	Saaf cool syrup	Syrup	Darman Herbal pharma Peshawar	<i>Azadirachta indica</i> <i>Ziziphus jujuba</i> <i>Fumaria</i> <i>Tinospora cordifolia</i> <i>Termimala chebulita</i>	Meliaceae Rhamnaceae Papaveraceae Menispermaceae Combritaceae	Used as a blood purifier
26.	Safi khoon	Syrup	Qalandri dawakhana reg Lahore	<i>Indigo tinctoria (neel)</i> <i>Tephrosa purpura (sarpohka)</i> <i>Fumaria parviflora (shahtra)</i> <i>Smilax chinenis (chob -chini)</i> <i>Silax officinales (Ushba)</i> <i>Lawsonia alba (hina)</i> <i>Narkachoor</i> <i>Chirata talkh</i>	Fabaceae Fabaceae Fumariaceae Smilacaceae Smilacaceae Lythraceae Gnetaceae	Digestive system relives, prevents and cure boiles, piles and skin eruption.

Table 1: Continued

1.	Name of Product	Form	Company Name	Name of Plants/ Parts Used in the Drugs	Plants Family	Uses
27.	Scony Tablets	Tablet	Ishaq-Unani Dawakhana Reg; Faislabad	<i>Lepidium sativum</i> <i>Pimento dioica</i> <i>Saraca indica</i> <i>Kalanchoe pinnate</i>	Brassicaceae Myrtaceae Leguminaceae Crassulaceae	Improve function of liver and stomach.
28.	Sherbet shehtoot siyah	Syrup	Millat Dawa khana peshwar Pak	<i>Morus nigra</i>	Solanaceae	Cough and throat infection
29.	Shifa-e-fisher khas syrup	Syrup	Millat dawa khana peshawer	<i>Lavandula atoechados</i> <i>Rauwalia serpentine (chota chandan)</i> <i>Trichodesma bractatum (gaozaban)</i> <i>Satalum album (sandal sufaid)</i> <i>Pterocarpus santalinus</i> <i>Kashneez khushk</i> <i>Balchar</i>	Lamiaceae Apocynaceae Boraginaceae Santalaceae Fabaceae Apiaceae Valerianaceae	This product is used effectively for blood pressure.
30.	Supari Pak	Dry powder	Master Unani Lab Lahore	<i>Pedialum morex</i> <i>Areca catechu</i> <i>Butea frondosa</i> <i>Saecharim</i> <i>Acacia cortex</i> <i>Bauhinia tomentosa</i> <i>Pistacia vera</i> <i>Rubia cordifolia</i>	Pedaliaceae Arecaceae Fabaceae Poaceae Fabaceae Leguminaceae Ancardiaceae Rubiaceae	Feminine oilment Avoid abortion Preserves pregnancy
31.	Taskeen-Qulb syrup	Syrup	Anees unani pharma	<i>Hibiscus syriacus</i> <i>Eletaria cardamom</i> <i>Citrus peel</i> <i>Hibiscus rosa</i> <i>Malus domestica</i>	Malvaceae Zingiberaceae Rutaceae Malvaceae Rosaceae	Used for blood pressure cardiac weakness, nerves and muscular weakness.
32.	Toot-Rus	Syrup	Herbian Pak pharma Karachi	<i>Morus nigra</i> <i>Viala odorata</i> <i>Ziziphus vulgaris</i> <i>Malva sylvestris</i> <i>Althea officinale</i>	Moraceae Violaceae Rhamnaceae Malvaceae Malvaceae	Used for cough Sore throat Tonsils
33.	Typhex syrup	Syrup	Amin pharma Lahore Pakistan	<i>Sisymbrium irrio</i> <i>Ziziphus vulgaris</i> <i>Glycyrrhiza glabra</i> <i>Foeniculum vulgare</i> <i>Ficus carica</i>	Brassicaceae Rhamnaceae Fabaceae Apiaceae Moraceae	Effective for typhoid Malaria, Pneumonia, Measles, Epidemic, Dysentery, whooping cough.
34.	Urosnali	Syrup	Qarshi industries put imtd, Dist, Haripur Pakistan	<i>Solanum nigrum</i> <i>Cichorium intybus</i>	Solanaceae Asteraceae	Complete or partial urinary retention facilitate maturation, help in excretion of uric acid. Effective in kidney bladder.
35.	Women's care	Syrup	Qalandri Dawakhana (Reg) Lahore	<i>Berg-e-shatara</i> <i>Azadirachta indica</i> <i>Post balsool</i> <i>Asgandh</i>	Fumariaceae Meliaceae Mimosaceae Solanaceae	Effective in diseases of uterus, Uterus weakness, Hysteria, Leucorrhoea
36.	ZEE-BEX	Syrup	Pak-asian atlantic pharma Lahore Pak	<i>Emblie myoblan</i> <i>Ginger</i> <i>Winter cherry</i> <i>Beleric myrobalan</i> <i>Chebula</i> <i>Pyrethrum radix</i> <i>Ficus carica</i>	Euphorbiaceae Zingiberaceae Solonaceae Combretaceae Compositae Moraceae Moraceae	Used for starvation, general weakness, improve HBI antibiotic therapy in pregnancy and lactation.

1 species (1.72%) each were used in these medicines (Fig. 2). plants which were used commonly in these medicines in one form or the other are *Ziziphus jujuba*, *Foeniculum vulgare*, *Solanum nigrum*, *Ocimum cannum* and *Zingber officinale*.

DISCUSSION

The medicinal properties and effect of herb are also well known because for countless of years herbs were the only medication known to mankind [15].

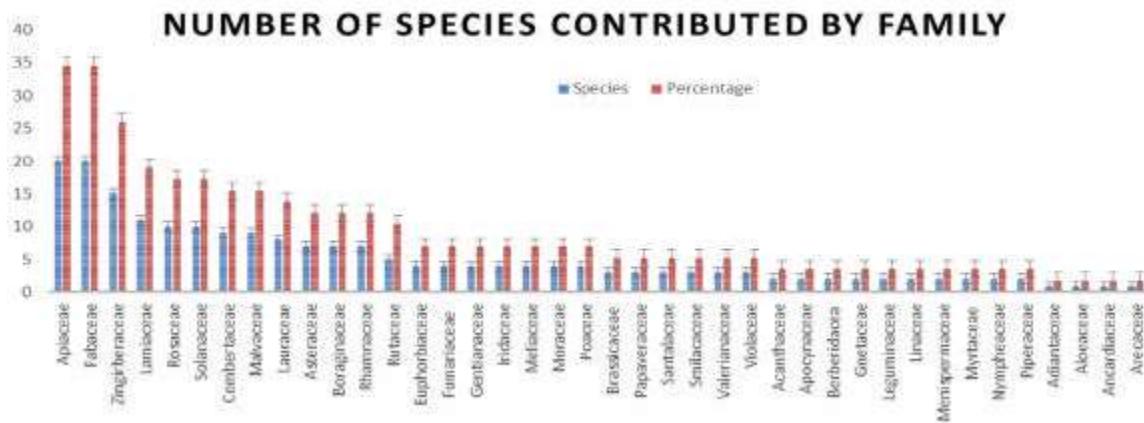


Fig. 2: Number of species and percentage contributed by different families in Unani Medicines.

Table 2: Families along with species percentage used in Unani Medicines

S.No	Family	Species	Percentage
1.	Acanthaceae	2	3.49
2.	Adiantaceae	1	1.72
3.	Aloeaceae	1	1.72
4.	Ancardiaceae	1	1.72
5.	Apiaceae	20	34.48
6.	Apocynaceae	2	3.49
7.	Arecaceae	1	1.72
8.	Asclepiadaceae	1	1.72
9.	Asteraceae	7	12.07
10.	Berberidaceae	2	3.49
11.	Boraginaceae	7	12.07
12.	Brassicaceae	3	5.17
13.	Combertaceae	9	15.51
14.	Compositae	1	1.72
15.	Convolutulaceae	1	1.72
16.	Crassulaceae	1	1.72
17.	Cucurbitaceae	1	1.72
18.	Cupressaceae	1	1.72
19.	Euphorbiaceae	4	6.90
20.	Fabaceae	20	34.48
21.	Fumariaceae	4	6.90
22.	Gnetaceae	2	3.49
23.	Gentianaceae	4	6.90
24.	Iridaceae	4	6.90
25.	Lamiaceae	11	18.97
26.	Lauraceae	8	13.79
27.	Leguminaceae	2	3.49
28.	Linaceae	2	3.49
29.	Longaniaceae	1	1.72
30.	Lythraceae	1	1.72
31.	Magnoliaceae	1	1.72
32.	Malvaceae	9	15.51
33.	Meliaceae	4	6.90
34.	Menispermaceae	2	3.49
35.	Mimosaceae	1	1.72
36.	Moraceae	4	6.90
37.	Myrtaceae	2	3.49
38.	Myristicaceae	1	1.72

Table 2: Continued

S.No	Family	Species	Percentage
39.	Nymphaeaceae	2	3.49
40.	Papaveraceae	3	5.17
41.	Pedaliaceae	1	1.72
42.	Piperaceae	2	3.49
43.	Plumbaginaceae	1	1.72
44.	Poaceae	4	6.90
45.	Polygonaceae	1	1.72
46.	Rhamnaceae	7	12.07
47.	Ranunculaceae	1	1.72
48.	Rosaceae	10	17.24
49.	Rubiaceae	1	1.72
50.	Rutaceae	5	10.42
51.	Santalaceae	3	5.17
52.	Scrophulariaceae	1	1.72
53.	Smilacaceae	3	5.17
54.	Solanaceae	10	17.24
55.	Valerianaceae	3	5.17
56.	Violaceae	3	5.17
57.	Vitaceae	1	1.72
58.	Zingiberaceae	15	25.86
Total	58 family	226 species	

Even today, when unparallel advances have been achieved in medical science, many of them once, which have been used and approved by their own parents, grand parents or even great parents [16]. The indigenous traditional knowledge of herbal plants of communities, where it has been transmitted orally for many years is firstly disappearing from the face of world due to transformation of traditional culture [17].

Today ethno botany is widely accepted as a science of human interactions with plants and its ecosystems [18]. It was found that medicinal plants have a strong linkage with human health [19]. Not only, the old ayurvedic and Unani system of medicinal treatment depend on herbal drugs but the other systems including allopathic and

homeopathic directly or indirectly depend upon the herbal drug plants for the preparation of certain synthetic drugs. The present attempt for such type of research work in this area was absolutely new one [20].

The following 58 families (Table 2) were found very important i.e. Apiaceae and Fabaceae (34.48%), Zingiberaceae contributed (25.86%), Lamiaceae (18.97%), Rosaceae and Solanaceae (17.24%), Combretaceae and Malvaceae (15.51%), Lauraceae (13.79%) Boraginaceae, Rhamnaceae and Asteraceae (12.07%) Rutaceae (10.42%), Euphorbiaceae, Fumariaceae, Gentianaceae, Iridaceae, Meliaceae, Moraceae, Poaceae (6.90%), Brassicaceae, Papaveraceae, Santalaceae, Smilacaceae, Valerianaceae and Violaceae (5.17%), similarly Acanthaceae, Apocynaceae, Berberidaceae, Gnetaceae, Leguminaceae, Linaceae, Menispermaceae, Myrtaceae, Nymphaeaceae and Piperaceae (3.49%). While, remaining families like Adiantaceae, Aloeaceae, Arecaceae, Arecae, Asclepiadaceae, Compositae, Convolvulaceae, Crassulaceae, Cucurbitaceae, Cupressaceae, Longaniaceae, Lythraceae, Magnoliaceae, Mimosaceae, Myristiaceae, Pedaliaceae, Plumbaginaceae, Polygonaceae, Ranunculaceae, Rubiaceae, Scrophulariaceae and Vitaceae (1.72%) each were used in these medicines (Fig.2). Plants which were used commonly in these medicines in one form or the other are *Ziziphus jujuba*, *Foeniculum vulgare*, *Solanum nigrum*, *Ocimum cannum* and *Zingiber officinale*. It showed that the medicinal plants were used in the Unani medicine in one or another form. As the people of rural area where health facilities are scarce, majority of them use these medicinal plants traditionally as medicines for different diseases. The older people of the area knew the importance of these plants and they transfer their knowledge to the younger[21-23].

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REFERENCES

1. Bedi, S.J., 1978. Ethnobotany of Ratan Mahai Hills, Gujarat, India. *J. Econ. Bot.*, 32(3): 278-284.
2. Bye, R.A., 1986. Medicinal plants of Sierra Madre. Comparative study of Tarahumara and Mexican market plants. *Journal of Econ. Bot.*, 40(1): 103-104.
3. Shabbir, G.S. and M.R. Bahadur, Choudhry, 2003. Botanical Description, Significance and Production Technology of Some Important Medicinal Herbs. *Hamdard Medicus*; Vol. XLVI, No. 1: 23-26.
4. Chaudri, M.N. and R.A. Qureshi, 1991. Pakistan endangered flora II. A checklist of rare and seriously threatened taxa of Pakistan. *Pak. Syst.*, 5(12): 1-84.
5. Durrani, M.J. and M. Manzoor, 2006. Ethnobotanical study of some plants of S.B.K. Woman University Quetta, Pakistan. *Paki. J. Pl. Sci.*, 12: 193-207.
6. Hamayun, M.A., Khan, 2003. Common medicinal folk recipes of District Buner, NWFP, Pakistan. *J. Ethnobot. Leaflets*. USA.
7. John, T., J.O. Kokward and E.K. Kimanani, 1990. Herbal remedies of the Luo of Siaya District, Kenya, Establishing Quantitative criteria for consensus. *Econ. Bot.*, 44(3): 369-381.
8. Dixit, R.S. and H.C. Pandey, 1984. Plants used in folk medicine in Jhansi and Lalitpur sections of Bundalkhand, Utter Pradesh, India. *Int. Journal of Cmde. Drugs Resources*, 22(I): 47-50.
9. Shinwari, M.I. and M.A. Khan, 1999. Folk use of medicinal herbs of Margalla Hills National Park, Islamabad. *Journal of Ethnopharmacology*, 69: 45-56.
10. Nasir, E. and S.I. Ali, 2007. Flora of West Pakistan Department of Botany, University of Karachi, Karachi, 1971: 112-115.
11. Hocking, C.M., 1958. Pakistan Medicinal plants Qualities plantarum material vegetables, 9: 103-119.
12. Singh, V. and R.P. Pandey, 1980. Medicinal plant of the tribals of eastern Rajasthan, Indian. *Journal of Economic Taxon Botany*, 1(2): 137-148.
13. Ahmad, M. and Khan M.A. Zafar, 2005. Ethnobotanical Approaches for the treatment of diabetes. By the local inhabitants of District Attock, Department of Botany, Arid University Rawalpindi, Pakistan.
14. Qureshi, R., A. Waheed and M. Arshad, 2009. Weed Communities of Wheat crop in district Toba Tek Singh, Pakistan. *Pak. J. Bot.*, 41(1): 239-245.
15. Hayath, Q.M., M.A. Khan, M. Ahmad, G. Shaheen, Yasmeen and S. Akhtar, 2008. Ethnotaxonomical approach in the identification of useful medicinal flora of Tehsil Pindighab (District Attock) Pakistan. *Journal of ethnobotanical leaflets*, 6: 35-36.
16. Goodman, S.M. and A. Ghafoor, 1992. The ethnobotany of southern Balochistan, Pakistan, with particular reference to medicinal plants. *Fieldiana botany*, 1(31): 81-84.

17. Haq, I., 1993. Medicinal plants of Mansehra District, N.W.F.P, Pakistan. *Hamadrad Medicus*, 34(3): 63-99.
18. Shinwari, Z.K., S.S. Gilani, M. Kohjoma and T. Nakaike, 2000. Status of Medicinal plants in Pakistan Hindukush Himalayas, Proceedings of Nepal. Japan joint, pp: 81-84.
19. Durrani, M.J. and M. Manzoor, 2006. Ethnobotanical study of some plants of S.B.K. Woman University Quetta, Pakistan. *Paki. J. Pl. Sci.*, 12: 193-207.
20. Wazir, S.M., S. Saima, A.A. Dasti and M. Subhan, 2007. Ethnobotanical importance of salt range species of District Karak, Pakistan. *Paki. J. Pl. Sci.*, 13: 27-29.
21. Chaudri, M.N. and R.A. Qureshi, 1991. Pakistan endangered flora II. A checklist of rare and seriously threatened taxa of Pakistan. *Pak. Syst.*, 5(12): 1-84.
22. Jan, G., M.A. Khan and S. Gull, 2008. Ethnobotanical plants used in diarrhea and dysentery in Dir Kohistan Valley,(NWFP), Pakistan. *Pakistan Journal of ethnobotanical leaflets*, 12: 620-637.
23. Khan, S.U., R.U. Khan, S. Jamil, S. Mehmood, I. Ullah, M. Zahoor and M. Daud, 2013. Biodiversity in Medicinal Plants and Its Distribution in Village Shahbaz Khel, Lakki Marwat, Kpk, Pakistan *Journal of Medicinal Plants Studies*, 1(3): 78-86.