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# **Use of Medicinal Plants of District Bannu in Unani Medicines**

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The present research work was carried out during 2012 in district Bannu to study the use of medicinal plants in Unani medicine. A total of 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. During the research it was found that most of the members of Lamiaceae, Asteraceae and Rhamnaceae are used in these medicines. 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*. It was noted that these products are mostly available in syrup form, rarely in tablets form (Hab –khoom Safa, Mensorine, Scony Tablets) 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. The main purpose of the research was to identify and enlist the plants systematically used in these medicines.

Keyword: Medicinal Plants, Bannu, Unani Medicines.

#### 1. Introduction

Bannu, a district of khyber pakhtoonkhwa, is situated at a distance of 190 km, in the south of Peshawar. 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 lies between 32.43 to 33.06 North latitude and from 70.22 to 70.57 East longitudes. The total area of the district is 1227 square kilometers. 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<sup>[1,2,3]</sup>.

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 revel 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<sup>[4,5]</sup>. Medicinal plants and plant-derived medicine are widely used in traditional recopies 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 contribute more to the ethnobotanical information regarding flora of Bannu area<sup>[6,7,8.9]</sup>

#### 2. 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<sup>[10,11,12,13,14]</sup>.

#### 3. 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. During the research it was found that most of the members of Lamiaceae, Asteraceae and Rhamnaceae are used in these medicines. 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.

#### 4. 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. 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. 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. [15,16,17]

Today Ethno botany is widely accepted as a science of human interactions with plants and its ecosystems. It was found that medicinal plants 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 including allopathic systems 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<sup>[18,19,20]</sup>

The following plants like Ziziphus jujuba, Foeniculum vulgare, Solanum nigrum, Ocimum cannum and Zingber officinale, were used commonly in these medicine. It showed that the medicinal plants are 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<sup>[21,22,23]</sup>.

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

S No	Name of Product	Form	Company Name	Name of Plants/ Parts Used In The Drugs	Plants Family	Uses
1	Gulban	Syrup	Marhaba lab;	Borago officinalis Bombyx mori Ziziphus vulgaris Cordia latifolia Glycyrhiza glabra Linum usitatissimum Trachyspermumammi Papaver somniferum Althaea officinalis Foeniculam vulgare Adiantum capillus	Boragenacea Malvacea Rahmanaceae Boraginaceae Fabaceae Linaceae Appiaceae Papaveraceae Malvaceae Apiaceae Adiantaceae	Cough, Cold and all affections of respiratory tract
2	Urosnali	Syrup	Qarshi industries put imtd, Dist, Haripur Pakistan	Solanum nigrum Cichorium intybus	Solanaceae Asteraceae	Complete or partial urinary retention facilitate maturation, help in excretion of uric acid. Effective in kidney bladder.
3	Sherbet shehtoot siyah	Syrup	Mllat Dawa khana peshwar Pak	Morus nigra	Solanaceae	Cough and throat infection
4	Typhex syrup	Syrup	Amin pharma Lahore Pakistan	Sisymbrium irrio Zizihpus vulgaris Glycyrrhiza glabra Foeniculum vulgaris Ficus carica	Brassicaceae Rhamanaceae Fabaceae Apiaceae Moraceae	Effective for typhoid Malaria, Pneumonia, Measles, Epidemic, Dysentery, whooping cough.
5	Berberis Fort	Syrup	Akram brothers unani lab Habib abad	Pareia brava Berberis vul Sarsaparilla Solidago	Berberidacea Berberidaceae Asclepediaceae Asteraceae	Effective against renal calculi and inflammation of the kidney and bladder
6	Ellergy Roark	Syrup	Akram brothers unani lab Habib abad	Cassia china Spheranthus indicus Nymphea lotus Dilbergia sissio Fumairtia paeviflora Melia azadirachta Swerting chirata Tephrosia purpurea Curcumca caesia Rosa damascena Chrozophra plicate Canscara decussate Terminalia chebula Pterocarpus santlinus Cuscuta reflexa Ocimum canum Lauendvia stoechas Tinospora cardiffolia	Fabiaceae Asteraceae Nympheaceae Fabaceae Fumaraceae Meliaceae Gentianceae Fabiaceae Zingiberaceae Rosaceae Euphorbiaceae Gentianceae Combretaceae Gentianceae Combretaceae Combretaceae Combretaceae Lamiaceae	These products are effective for all types of allergy.

gestive nausea, pepsia, and pain.  hea odic nce in base  ess and of eye,
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		I	1 1	71	77' '1	
			Phoenix	Zingiber	Zingiberaceae	
	Gastonix		pharma	Nut megs	Myristiaceae	It is anti spasmodic
14	Drop	Syrup	Hajvery	Mint-citron	Lamiaceae	and anti flatulence.
17	Бтор	Syrup	Town Lahore	Picrorrhiza	Scorfulariaceae	and anti-naturence.
			PAKISTAN	Foenculum vulgarei	Apiaceae	
			PARISTAN	Emblic- mytoblan	Fabaceae	
			H-R Pharma	Cuminum-cyminum	Apiaceae	
			international	Cinnamomum tamala	Lauraceae	
	H –Zyme		(Reg) 1st floor	Mentha arvensis	Lamiaceae	·
15	syrup	Syrup	zahoor	Valeriana officinalis	Valerianaceae	Digestive enzyme
10	~J- ~F	~ J- 0p	building 16-	Cinnamomum zeylanicum	Lauraceae	Stomach problems
			Abbot Road	Foeniculum valgare	Apiaceae	
			Lahore Pak	Zingiber officinale	Zingiberaceae	
				Ziziphus jujube	Rhamnaceae	
			Phoenix	Corn	Poaceae	
			pharma 7km	Liqurice	Fabaceae	Used for quick relief
	Palma –nex		Multan Road			from all types of
16	syrup	Syrup	Hajuuery	Echium vulgare	Boraginacea	
		• •	Town Lahore	Vasaka Sooletia latifolia	Zingiberaceae	cough.
			Pak	Sochtia latifolia	Fabaceae	
				Foeniculum vulgare	Apiaceae	
				Opiam poppy	Papaveraceae	
				Ahatoda vasica	Acanthaceae	
			Herbian	Glycerhiza glabra	Fabaceae	Used for quick relief
	Link us		pharma Ltd	Peper glabra	Piperacea	from all types of
17	syrup	Syrup	Karachi	Viala longum	Violaceae	cough.
			Rurucin	Cordia latifolia	Boraginacea	cougn.
				Althea officinalea	Malvaceae	
				Alphinia galangal	Zingiberaceae	
	Alertis		Medifit	Junipor berries	Cupressaceae	
	cardiales		natural	Foeniculum vulgare	Apiaceae	Used for quick relief
18		Syrup	division	Apium	Apiaceae	from all types of
	syrup			Rhevm	Polygonaceae	cough.
			Lahore	Omum seed	Apiaceae	
				Hibiscus syriacus	Malvaceae	II. d C. abb. d
	Taskeen –		Anees unani	Eletaria cardamom	Zingiberaceae	Used for blood
19	Qulb syrup	Syrup	pharma	Citrus peal	Rutaceae	pressure cardiac
	, , ,		1	Hibiscus rosa	Malvaceae	weakness, nerves and
				Malus domestica	Rosaceae	muscular weakness.
	Arque-e-		Qarshi			
20	Badian	Syrup	industries	Foeniculum vulgare	Apiaceae	It is used for digestive
20	Dualan	Syrup	Hripure		ripiaceae	system
			Timpure	Garden nerve	Acanthaceae	
			S-D-S	Nigell sativa	Ranunculaceae	
	Mensorine		Mughal pura	Aloes	Aloeaceae	Used for menstrual
21	IVICIISUI IIIC	Tablets	Pakistan	Syzygium aromaticum	Myrtaceae	disturbance
			1 akistan		Iridaceae	
				Crocus sativus		
			Downson	Indaian mader	Fabaceae	
	G61		Darman	Azadirachta indica	Meliaceae	Hand on 1111
	Saaf cool		Herbal	Ziziphus jujuba	Ramnaceae	Used as a blood
22	syrup	Syrup	pharma	Fumaria	Papaveraceae	purifier
			Peshawar	Tinospora cordifolia	Menispermaceae	
				Termimala chebulta	Combritaceae	
	Jeveran		SDS Mughal	Hibiscus abelmoschus	Malvaceae	Used for fatigue and
23	Tonic	Syrup	pura Lahore	Crocus	Iridaaceae	general weakness.
			<u>                                       </u>	Bombyx mori	Iridaaceae	
-	-		·I	•	•	*

	1			Lavendula stoechas	Lamiaceae	
				Anachyllus pyrethrum	Asteraceae	
				Cinnamomum tamala	Lauraceae	
				Lavandula atoechados	Lamiaceae	
				Rauwalia serpentine	Apocynaceae	
				(chota chandan)	r J	
	Shifa- e-		Millat dawa	Trichodesma bractatum	Borginaceae	This product is used
	fisher khas	a	khana	(gaozaban)	J	effectively for blood
24	syrup	Syrup	peshawer	Satalum album	Santalaceae	pressure.
	5 1		1	(sandal sufaid)		1
				Pterocarpus sanatlinus	Fabaceae	
				Kashneez khushk	Apiaceae	
				Balchar	Valeriaceae	
				Indigo tinetoria (neel)	Fabaceae	
				Tephrosa purpura	Fabaceae	
				(sarphoka)		
				Fumaria parviflora	Fumarianceae	Digastiva system
			Qalandri	(shahtra)		Digestive system relives, prevents and
25	Safi khoon	Syrup	dawakhana	Smilax chinenis	Smilacaceae	cure boiles, piles and
23	San Khoon	Syrup	reg Lahore	(chob –chini)		skin eruption.
			reg Lanore	Silax officinales	Smilacaceae	skiii cruption.
				(Ushba)		
				Lawsonia alba (hina)	Lythraceae	
				Narkachoor	_	
				Chirata talkh	Genetaceae	
				Emblic myoblan	Euphorbiaceae	Used for starvation,
			Pak –asian	Ginger	Zingerberaceae	general weakness,
26	ZEE-BEX	C	atlantic	Winter cherry	Solonaceae	improve HBI
26		Syrup	pharma	Beleric myrobalan	Combretaceae	antibiotic therapy in
			Lahore Pak	Chebula	Compositae Moraceae	pregnancy and
				Pyrethrum radix Ficus carica	Moraceae	lactation.
				Avena sativa	Poaceae	General debility,
				Avena sanva Cola cuminate	Malvaceae	Physical exertion,
	Multi –F		Pak Atli	Rhamnus fragula	Rhamnaceae	Mental fatigue,
27	Iviuiti —i	Syrup	Lahore	Citrus vulgaris	Rutaceae	Loss of appetite,
				Rosa damasena	Rosaceae	Anemia, energetic
				Saliva haemotodes	Lamiaceae	Stimulating,
				Berg –e-shatara	Fumariaceae	Effective in diseases
	Women's	a	Qalandri	Azadirachta indica	Meliaceae	of uterus, Uterus
28	care	Syrup	Dawakhana	Post balsool	Mimosaceae	weakness, Hysteria,
			(Reg) Lahore	Asgandh	Solanaceae	Leucorrhoea
				Saliva haemotodes	Lamiaceae	
	II:J		Hi –zone Lab	Foeniculum vulgare	Apiaceae	
29	Hi-card	Syrup	Lahore	Citrus indica	Rutaceae	Heart tonic
				Cinnamomum camphoar	Lauraceae	
				Rauwalfia serpentia	Apocynaceae	
				Santalum album	Santalaceae	Used for blood
			Ishaq unani	Zizipus vulgaris	Rhamnaceae	purification and skin
	Hab –khoom		Dawkhan	Smilax chinenis	Smilacaceae	disease as itch, acne
30	Safa	Tablets	(Reg)	Smilax officinalies	Asteraceae	chamble, phaccher
30	Sala	1 ao icis	Faisalabad	Sphaeranthus hirtus	Fumericaceae	inflammation, pustles,
			i aisaiauau	Fumer parviflora	Cucurbitaceae	pimple acne, effective
				Citrullus colyocenthis	Combertaceae	formula for relief in
l l				Terminalia chebula	Euphorbiaceae	constipation.

			l I	F 1. 1: C: -: 1	Combinatores	
				Emblica officinales	Combretaceae	
				Terminalea bellarica	Combritaceae	
31			SDR-Mughal pur Lahore	Terminala chebula	Combretaceae	General weakness Neuralgia Anemia Mental disorder
	Golden faulad			Terminala bellarica	Combretaceae	
		Syrup		Crocus sativvs	Iridiaceae	
				Santalum album	Santalaceae	
				Emblica officinales	Ephorbiaceae	
				Rosa indica	Rosaceae	
			SDR-Mughal pur Lahore	Cassia duna	Fabaceae	
	Anti –			Nymphea lotus	Nympheaceae	
32	allergic	Syrup		Rosa damascene	Rosaceae	Anti allergy
32	aneigie	Syrup		Swerting chirata	Genetinaceae	And anergy
				Dilbergia sisso	Fabaceae	
				Melia azadirachta	Meliaceae	
			Herbian Pak pharma Karachi	Morus nigra	Moracea	
	Toot –Rus	Syrup		Viala odorata	Violaceae	Used for cough
33				Ziziphus vulgaris	Rhamnaceae	Sore throat
				Malva sylvestris	Malvaceae	Tonsils
				Alhea officinale	Malvaceae	
	Supari Pak	d Dry powder	Master Unani Lab Lahore	Pedialum morex	Pedaliaceae	
				Areca catechu	Arecaceae	
				Butea frondosa	Fabaceae	Feminine oilment
2.4				Saeccharim	Poaceae	Avoid abortion
34				Acacia cortex	Fabaceae	Preserves pregnancy
				Bauhina tomentosa	Leguminaceae	
				Pistacia veva	Ancardiaceae	
				Rubia cordifolia	Rubiaceae	
	Irogin Tonic	Syrup	Hit Natural Pharma Lahore	Zingiber officinalis	Zingiberaceae	C
				Cinamonum tamala	Lavraceae	General debility
35				Nux vomica	Longaniaceae	Anemia
				Withiana samnifera	Solanaceae	Pregnancy
				Card momum	Zingiberaceae	Lactation
				Rose gallica	Rosaceae	Fatigue
						Stress
				Borago officinales	Boraginaceae	511055

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