iMedPub Journals www.imedpub.com

DOI: 10.21767/2572-4657.100015

Archives in Chemical Research ISSN 2572-4657 **2017** Vol.2 No.1: 2

# Overview of Important Medicinal Plants at Fars Province, Iran

### Abstract

Fars province in southern Iran, with an area of 133000 square kilometers is one of the largest provinces of the country. There are different climates in the province that has caused it to be a pioneer at production and use of medicinal plants in the country, as it is the largest exporter of medicinal plants in the country. In this study, an overview of the most important medicinal species in this province has been dealt with. After the source and target data were collected and their accuracy were studied, according to the frequency of data and information contained in this field, the key points were extracted and to facilitate their use, was prepared in tabular form.

Keywords: Fars Province; Medicinal plants

Received: August 24, 2017; Accepted: August 31, 2017; Published: September 07, 2017

### Reza E. Owfi\* and Nosratollah Safaian

Department of Rangeland Management, Sari Agricultural Sciences and Natural Resources University, Sari, Iran

#### \*Corresponding author: Reza E. Owfi

e owfireza@yahoo.com

Owfi Faculty of Natural Resources, Department of Rangeland Management. Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Tel: +989171120831

**Citation:** Owfi RE and Nosratollah Safaian (2017) Overview of Important Medicinal Plants at Fars Province, Iran. Arch Chem Res. Vol.2 No.1: 2

### Introduction

Herbal plants are the most important products in natural resources which directly have a positive impact on the lives of people. Many of drugs are directly or indirectly from herbal medicinal products. The importance of plants has been evident to humans since ancient times as Egyptians have been expertise from the sixteenth century BC in the extreme use of these plants [1-3].

As mentioned before, Egypt, has a long history in terms of research background in this area. From ancient times Jewish people used these plants too. India also has two very famous old books on herbs called Caraca and Susruta. China's oldest medical book is attributed to one of its emperors called Shinon who lived in 2800 BC. From 8 to 10th centuries, famous Iranian scientist Avicenna and Razi were shining in this field. In Western countries, progress in this science dates back to the early Middle Ages that continues to date and By scientists such as Constantine, Epitome Matthiol, and Dragendroff and so on has been done. In Iran, the most comprehensive investigation in this case was conducted by Ali Zargari and the result has been published in five volumes [4-7].

In Iran, with respect to special geographic locations and different climatic conditions is habitat of many varieties of medicinal plants and In the meantime, the Fars province is the most relevant So that, according to the provincial Department of Natural Resources, there are more than 1600 species of medicinal plants at Fars and more than 100 species of them are massively cultivated on 600 hectares of land in the province, Of course, the data is not about tree species and garden species. Medicinal plants export from Fars province to abroad in 2015 was 48 tons So that the province has become the first exporter of these products in the country. It should be noted that the Fars province with an area of 133000 square kilometers includes 8.1% area of the country which is located in the southern part of the country and holds three climates in which the North and North West of the province has mountains with snow and rain and the amount of rainfall is over 400 millimeters a year. Central area with mild winter and hot and dry summer is with annual precipitation of 200 to 400 millimeters. Also South and South-East holds mild winter and very hot summer with annual precipitation of 100 to 200 millimeters [7-10]. **Figure 1** shows the location of Fars province in Iran.

### **Research Methodology**

In this study, following steps were taken to conduct the research

#### Gathering information and data

There are a lot of resources of medicinal plants, but most of them are a reflection of people's experiences which not certain. Most of them have no formal training in this area and have just inherited and acquired these practices. Certainly will be helpful Using the information provided which the information be evaluated with scientific data that has been considered in this study. In addition,



the relevant articles and books have also been used. Researches conducted by the departments of natural resources, agriculture office and the environment office of Fars province are also considered **(Table 1)**.

#### Information and data evaluation

In this regard for other articles, books and academic researches there is no problem, but as mentioned before, information about people who have been working on an experimental basis in the field of medicinal plants should be evaluated and just the sort of information that is scientifically acceptable and consistent with their academic issues were used.

#### Extracting the desired and key data

Due to the large volume of literature on medicinal plants, at this stage, it was launched to extract key data which were useful for getting familiar with province medicinal plants and again to simplify using them, they have been tabulated.

### Discussion

1. Climatic variations at Fars province has caused a wide range of plants from different families and this factor is the most important factor for changing the province to the largest exporter of medicinal plants of the country **(Table 2)**.

- 2. The Most families of medicinal plants of Fars province are *Leguminoseae- Rosaceae- Cruciferae* and *Umbelliferae* **(Table 3)**.
- 3. Many medicinal plants at Fars Province like *Crocus sativus-Oryza sativa- Cerasus arium, Citrus limonum* are found only in certain parts and their distribution is limited **(Table 4)**.
- 4. Some of medicinal plants such as *Peganum harmala-Punica* granatum- Triticum sp. have been widely distributed and are observed in other places too (Table 5).
- 5. Development of production and utilization of medicinal plants is one of the most important ways of creating jobs

for local people and it would only be possible with the cooperation of government.

6. Due to the current situation in the province, the possibility of expanding production of medicinal plants and products is more than before.

## Conclusion

In this part, all results have been tabulated according to plants division and their deviations and also key and detail information of each species have presented subsequently and in the table above.

Table 1 Fars Province important medicinal plants	. (Spermatophytes Division-Angiosperms Subdivision	-Dicotyledons Class-Dialypetalaes Subclass).
--	--	--

			Major		
Health benefits	Effective substance	Usable parts	features of	Species name	Family name
			Botany		
Anti diarrhea-			Bushy tree-Small fruit-Leaves		
Coagulater	Tannic acid	The whole plant	change into red	Rhus coriaria	
	I diffic delu	The whole plant	and green in	KIIUS CONANA	Anacardiaceae
			autumn		
Anti diarrhea and bleeding and	Berberine-	Root-Flower-	Spiny bushy tree-	Berberis	
gingivitis	Berbamin-	Fruit-Skin of stem and root	Yellow flower and wood	vulgaris	Berberidaceae
	Palmatin Berberobin				
Anti scurvy -	Vitamins-		Herbal-Leaves without trichome		
Diuretic– Treatment of kidney stone	Minerals	Root	–Swollen root	Brassica napus	Cruciferae
Anti scurvy – Wound healing	Sulforaphane	Leaf	Grass- Leaf with trichome	Brassica oleracea	Cruciferae
Headache and stuffy nose curing	Quercitin- Quinoline Glucoquinoline	seed-leaf	Herbal-Narrow Leaves with lots Brown of hairs yellow flower	Cheiranthus cheiri	Cruciferae
Wound healing-	Ductois Est		Herbal-Stem	Descurainia	Cruciferae
Anti fewer and worm	Protein-Fat	seed	Branches at ground level	sophia	
Mucus producing-	Gluconasturtin-		Herbal-Fleshy leaves - Growing	Nasturtium	
Treatment of gout and rheumatism	Phenylethyl	The whole plant	in clear water	officinale	Cruciferae
Whooping cough and rheumatism	Cultorophono	Juice-Root	Herbal-Swollen	Danhaus satiuus	Cruciforoo
curing-Treatment of gallbladder stone	Sulforaphane	Juice-Root	White or rootyellow or violet flower	Raphnus sativus	Cruciferae
Diuretic- Laxative	Sinalbin	Seed	Herbal-Covered with trichome Yellow flower	Sinapis alba	Cruciferae
Diuretic- Anti fever and infection	Citrullin	Fruit-Seed	Yellow Bushy flower-Fleshy fruit	Citrullus vulgaris	Cucurbitaceae
Anti worm -	Vitamin Avitamin C-	Erwit Cood	Bushy Yellow flower	Cucumia mala	Cucurbitagas
Diuretic	Cellulose	Fruit-Seed	-Fleshy fruit	Cucumis melo	Cucurbitaceae
Dialysis-Diuretic-	Mucilago Francia	Fruit-Seed	Bushy-Stem with rough hairs-Big	Cucumis sativus	Cucurbitacasa
Anti wormHygiene of skin	Mucilage-Erepsin	Fruit-Seeu	yellow flower		Cucurbitaceae
Sweaty-Appetizer	Protopine- Fumoficinaline	The whole plant	Herbal-Dusty leaves- White flower	Fumaria parviflora	Fumariaceae
Diuretic-	Ellagic acid-	The whole plant	Herbal-Multi parts	Geranium	Coroniacoso
-Tonic Constipater	Geranin	The whole plant	Bad smell leaves-	robertianum	Geraniaceae

#### Archives in Chemical Research ISSN 2572-4657

2017

Vol.2 No.1: 2

			Major		
Health benefits	Effective substance	Usable parts			Family name
ficatin schents	Encetive substance		Botany	Species name	ranny name
Tonic-Digestive-	Hyperin-		Herbal-Stem		
Pain killer- Anti	Hypericin		Featured numerous	Hypericum	Hypericaceae
Bile	пурспеш	Twig with flower	longitudinal lines-	perforatum	
Dire			Oval leaves	perioratam	
Anti worm - Curing Itching		Stem-Skin-	Tree without		
		Stem Skin	Flower in thornswhite , pink and		
Treatment of	Albizzin	-Root	red	Albizzia lebbek	Leguminosae
Asthma					
Laxative-	Melezitose	Manna	Herbal-Barbed stem	Alhagi	Leguminosae
Medications sweetener				camelorum	
Camphor oil supply	Oleic acid-	Fruit	Herbal-yellow flower	Arachis	Leguminosae
	Palmitic acid			hypogaea	
Constipater-		Flower-Leaf-	Beautiful bushy beautiful and tree-	Cercis	Leguminosae
Bronchitis Curing		Skin	purple flower	siliquastrum	
tonic-Curing	Proteoze-Vicilin	Flower-Fruit-	Herbal-Big and white flower	Faba vulgaris	Leguminosae
Fatigue- Anti paroxysm	Legumalin	Seed			0
Curing cough and inflammation of stomach	Glycyrrhizin-	Rhizome-Root	herbal- yellow and violet flower	Glycyrrhizia glabra	Leguminosae
	Glycyrrhizic acid	Cood		Lens culinaris	1
Anti inflammation	Amidone	Seed	Herbal-White and small flower		Leguminosae
Curing rickets	Asparagine-	Twig	Herbal-Big blue and violet flower	Medicago	Leguminosae
	Leuzin-Arginin			sativa	
Diuretic – Curing chest pain	Coumarin-	Twig with flowers	Herbal-Yellow small and aromatic	Melilotus officinalis	Leguminosae
	Melilotic acid	Chin Emit	flower – Trichomeless fruit		
diabetes Curing	Arginine-Fazin	Skin-Fruit- Seed	Herbal-Flower in white and yellow	Phasaeolus vulgaris	Leguminosae
Diuretic	Legumolin-	Seed	Herbal	Pisum sativum	Loguminosao
Diuretic	Vicilin-Legumin	Seeu	Пеграі		Leguminosae
	Trigonellin-			Trigonella	
Tonic -Softener	Nicotinic acid	Stem -Seed	Herbal- Single and yellow flower	foenum- graecum	Leguminosae
measles Curing	Vicin-Legumalin-				
and smallpox and	Legumin	Seed	Herbal-Violet flower	Vicia sativa	Leguminosae
inflammation					Ū
			Bushy tree –		
Stomach tonic	Calycanthin	Root	Flower herbaceous in lemon- Jar like	Chimonanthus	Magnoliaceae
			fruit	fragrans	
Softener -Curing skin	<b>.</b>	-Root-Flower	Herbal-Stem with trichome- Long ,	Althaea	
irritation	Mucilage	Leaf	Spindle like root	officinalis	Malvaceae
Disinfectant –	Eucalyptic acid-	Leaf	Trans Gamman d	Eucalyptus	
Constipater-Anti fever	Eucalyptol	Leaf	Tree- firm wood	globolus	Myrtaceae
Disinfactors	Myrtidana-	Leaf-Fruit-	Evergreen bushy tree -Leather	Myrtus	N Averte and a
Disinfectant	Tannin-Linolein	Flower	leaves-Big and white flower	communis	Myrtaceae
Insomnia- Curing	Danoverie e sid	Detal	Herbal-Leaf with trichome- Single	Danayor the	Danavers
Laxative	Papaveric acid	Petal	and red flower	Papaver rhoeas	Papaveraceae
Curing Loss of appetite and		Leaf-Flower-	Bushy tree-	Dursian	
diarrhea and	Punicatanic acid-	Root	Rugged and firm stem-	Punica granatum	Punicaceae
hemorrhage and anemia			Multiple Spiny twig	Branatan	
Sweaty-Diuretic-			Herbal- The upper surface of the	Aquilaria	
Anti scurvy	Hydrogen cyanide	Fruit with seed	leaves dusty-	Aquilegia vulgaris	Ranunculaceae
			Blue and purpleF flower -	Vulgaris	
Strong aperient-	Delsoline-	Seed	Herbal- Beautiful blue and white	Consolida	Ranunculaceae
Skin irritative	Delcozine kaempferol	Jeeu	flower	regalis	Runanculacede

### Archives in Chemical Research ISSN 2572-4657

**2017** Vol.2 No.1: 2

Health benefits         Effective substance         Usable parts         features of botany         Species name         Pamily name           Aperient: Anti worm         Nigelina:: Melantin Melantigentin Aperient: Anti worm         Nigelina:: Melantin Melantigentin Zuryin acid         Seed         Herbal-Multi parts lawse-Rlower write         Nigelina:: Melantin Melantigentin Zuryin acid         Rounnoidd         Fruit         Bushy tree - Snall and yellow green Rower         Ziryinbus julpab         Rounnoidd         Rounn				Major		
Negline         Negline         Seed         Herbi-Multi parts leaves-flower white         Negline and values         Result cance           Laxative         Zirynhutznin aud         Fruit         Bushy tree - Snall and yellow green flower         Zirynhutznin aud         Rosecce           Antt bile-Diuretic         Antt bile-Diuretic         Antt bile-Diuretic         Fruit Seed kernel         Tree-Palan and values/Pikker ad pink flower         Margedalas         Rosecce           Apperiant         Constipater         Congloin parage         Fruit         Bushy tree vinker ad pink flower         Walgeris         Rosecce           Dialogis         Constipater         Congloin parage         Fruit         Bushy tree-White flower         Rosecce           Curing Kindrawa         Fruit         Bushy tree-White flower         Fraat average         Rosecce           Dialogis Curing borts         Constipater - Ant feve         Constipater - Ant feve         Rosecce         Rosecce           Curing Kindrawa         Gontstipater - Ant feve         Trattra cada         Fruit Leaf Flower         Spiny fusty tree         Mass ortental         Rosecce           Curing borts         Tamin- Ciric add         Fruit Leaf Flower         Spiny fusty tree         Mass ortental         Rosecce           Curing borts         Tamin- Ciric add         Fruit	Health benefits	Effective substance	Usable parts		Species name	Family name
Appendix         Melantin				Botany		
Laxative     Ziryphura add- Ziryphura add Surphurance add- Surphurance add- add and add add add add add add add add	Aperient- Anti worm	-	Seed		Nigella sativa	Ranunculaceae
And bile - Duretic     Alburninoid- (Curing couph - Aperian sector)     Alburninoid- (Fruit Seed Kernel - )     Fruit Seed Kernel - (Free - Plan and oval leaf - Pink flower (Sonthpater - Dialysis)     Armeniaca (Marce - Varian Standard - Varian Standard - )     Armeniaca (Marce - Varian Standard - )     Rosaccae (Marce - Varian Standard - )       Constipater - Dialysis-Curing Kidney and (Kidney and (Kidney (Kidney and (Kidney (Kidney and (Kidney (Kidney and (Kidney (Kidney and (Kidney (Kidney and (Kidney (Kidney and (Kidney (Ki	Laxative	Zizyphutanic acid-	Fruit		Zizyphus jujuba	Rhamnaceae
Apperior     Arring control of paramic     Profile set kernel     True set kernel     Rosaccae       Dialysis     acid     Fruit     Big white and pink flower     Vulgaris     Rosaccae       Curing Kidney and     Folic acid     Fruit     Bushy tree-With left of shorts- Ling Shortness of breath - Tannin-     Rosaccae       Dialysis-Curing body of breath - Entit     Fruit     Bushy tree-Withe flower     Fragaria vessa     Rosaccae       Dialysis-Curing body of breath - Entit     Polorizin- phloritin     Leaf-Fruit-     Bushy tree-Upper leaf with level trichome Big,     Malus orientalis     Rosaccae       Diaretic     Phorizin- phloritin     Leaf-Fruit-     Bushy tree-Upper leaf with level trichome Big,     Malus orientalis     Rosaccae       Constipater - Anti fere     Phorizin- phloritin     Stem skin     white and pink flower     Mesplus     Rosaccae       Constipater - Conglotin     Tartaric acid     Fruit     Bushy tree-     Malus orientalis     Rosaccae       Curing Kioney and fearmation     Arbutin-phlorizin     Fruit     Bushy tree-     Mesplus     Mesplus     Rosaccae       Curing kioney and fearmation     Arbutin-phlorizin     Fruit     Eaf-Fruit     Bushy tree-     Mesplus     Mesplus     Rosaccae </td <td>Anti bile -Diuretic</td> <td></td> <td>Flower-Skin-</td> <td></td> <td></td> <td></td>	Anti bile -Diuretic		Flower-Skin-			
Aperient     Constpate- interaction of kidney     Conglotin pagamic acid	-Curing cough -	Amygdolinozid	Fruit-Seed kernel	Tree- Plain and oval leaf- Pink flower		Rosaceae
Dialysis         acid         Fruit         Big white and pink flower         Vulgaris         Rosaccae           Skin hygiene         Folic acid-         Fruit         Aspheric fruit         Carasus arlum         Rosaccae           Curing Kidney and         Folic acid-         Fruit         Aspheric fruit         Carasus arlum         Rosaccae           Curing Kidney and         Folic acid-         Fruit         Bushy tree-With lots of shoots-         Carasus arlum         Rosaccae           Diayesi Assaccae         Tannin-         Leaf-Rhizome-         Bushy tree-With lots of shoots-         Fragaria vessa         Rosaccae           Diuretic-         Pholorizin- phoritin         Leaf-Rhizome-         Bushy tree-White flower         Fragaria vessa         Rosaccae           Constipater - Anti fever         Tannin-Citric acid-         Fruit-Leaf         Bushy tree-White flower         Magazinis         Rosaccae           Curing hemorrhage         Tartaric acid-         Fruit-Leaf         Bushy tree-         Mespilus         Rosaccae           Tonic-Curing gout and rheumatism         Pyranose         Fruit         Tree-Rig fruit         Punus sativum         Rosaccae           Constipater-         Arbuin-phlorizin         Each-Flower         Bushy tree-White and pink flower         Prus         Rosaccae	Aperient				communis	
Dialysis     acid     Fruit     Big white and pink flower     Vulgaris       Skin Nyglene     Folic acid- Curing Kidney and Liver diseases     Folic acid- Choline     Fruit     Bushy tree-Whit los of shoots- Shopperic fruit     Ceraus urlgaris     Rosaceae       Curing Kidney and Liver diseases     Choline     Fruit     Bushy tree-Whit los of shoots- typothermia and diarrhea     Ceraus urlgaris     Rosaceae       Dialysis-Curing body     Glucoside     Fruit     Bushy tree-White flower     Fragaria vesca     Rosaceae       Diaretic- Constipater - Anti fever     Malic acid- Trataria caid- Trataria caid- fever     Leaf-Fruit- Stem skin     Bushy tree-White flower     Malus orientalis     Rosaceae       Constipater - Constipater - fever     Malic acid- Constipater     Tranin- Citric acid- Trataria caid- fruit- Leaf-Flower     Bushy tree- Narrow and long leaf     Persica vulgaris     Rosaceae       Opring Sut and heumatism     Pyranose     Fruit Leaf-Flower     Bushy tree- Narrow and long leaf     Prus saturun     Rosaceae       Diuretic- Sedative     Arbutin-phloritin     Leaf-Flower     Bushy tree-flower in white and pink flower     Prus     Rosaceae       Curing Boot and rheumatism     Pyranose     Fruit     Leaf-Flower     Bushy tree-Uhite and pink flower     Prus     Rosaceae       Curing Boot and theumatism     Pyranose     Fruit     Sem Fruit     Bushy tree	Constipater-	Conglotin pangamic	- Seed Kernel-	Tree-	Armeniaca	Decesso
Treatment of kidney     Choine     Fruit     Apprecir fruit     Carasus anum     Rosaceae       Curing kidney and     Folic acid- liver diseases     Fruit     Bushy tree-With los of shoots- Apprecir fruit     Caranus vulgaris     Rosaceae       Dialysis-Curing body     Glucoside     Fruit     Bushy tree-With los of shoots- Apprecir fruit     Pragaria vesca     Rosaceae       Diartetic- Diartetic- Constipater - Anti fever     Phiorizin- phioritin and infra- truit caid- fruit     Pruit cas fruit sig flower in white and pink flower Narrow and long leaf     Persica vulgaris germanica     Rosaceae       Constipater- fever     Annygdalin- fruit caid- fruit acid-Citric and heumatism     Stem-Fruit- acid     Bushy tree- Narrow and long leaf     Prus     Rosaceae       Constipater- four constipater- fuing Bloody diarrhea and kliney     Arbutin-phiorizin acid     Stem-Fruit- acid     Bushy tree-Rower in white and pink flower aromatic     Prus     Rosaceae       Curing Bloody diarrhea kliney     Arbutin-phiorizin acid     Stem-Fruit- acid     Bushy tree-Rower in white and pink flower aromatic     Prus     Rosaceae       Curing Bloody diarrhea kliney     Cyanine     Fruit     Stem-Fruit-	Dialysis	acid	Fruit	Big , white and pink flower	vulgaris	RUSACEAE
Treatment of kidney and Luring Kidney and Ilver diseases     Choline Folic acid.     Fruit Leaf-Rhizome- bushy tree-White flower bushy tree-White flower     Cerarus vulgaris Aspheric fruit     Rosaceae       Curing Shortness of breath – Dialysis-Curing body     Glucoside Glucoside     Fruit     Bushy tree-White flower     Fragaria vesca     Rosaceae       Diuretic- Constipater – Anti feer Constipater – Constipater –	-Skin hygiene	Folic acid-	Fruit	Long living tree -	Corasus arium	Rosaceae
Iver diseases     Choline     Fruit     Aspheric fruit     Cerrus vulgaris     Rosaceae       Curing Shortness of breath -     Glucoside     Fruit     Bushy tree-White flower     Fragaria vesca     Rosaceae       Dialysis-Curing body     Glucoside     Fruit     Bushy tree-Upper leaf with level trichome-Big.     Malus orientalis     Rosaceae       Constipater - Anti feer     Phlorizin- phloritin     Leaf-Fruit-     Spiny bushy tree- Spiny bushy tree-     Mass orientalis     Rosaceae       Constipater - Anti feer     Tarnin-Citric acid Tartaric acid     Spiny bushy tree-     Mespiniza     Rosaceae       Aperient-Skin hygien-Anti fever     Conglotin     Fruit Leaf-Flower     Bushy tree-     Mespiniza     Rosaceae       Constipater- fever     Conglotin     Stem-Fruit Leaf-Flower     Bushy tree-     Persica vulgaris     Rosaceae       Curing Bloody diarrhea and kidney     Arbuin-phlorizin     Stem-Fruit     Bushy tree-flower in white and pink flower     Prus     Rosaceae       Curing Bloody diarrhea and kidney     Arbuin-phlorizin     Eleaf-Flower     Bushy tree-flower in white and pink flower     Prus     Rosaceae       Curing hemorrhage-Skin hygiene     Cyanine     Flower bud     Spiny bushy tree-flower in white and pink flower     Prus     Rosaceae       Curing hemorrhage-Skin hygiene     Stachydrin-     Leaf-Flower     S	Treatment of kidney	Choline	Fruit	Aspheric fruit	Cerasus anum	NUSaceae
Inver diseases     Choline     Aspheric fruit     Aspheric fruit     Aspheric fruit     Aspheric fruit     Aspheric fruit     Constigute     Fragaria vesca     Rosaceae       Diaretic-     Phlorizin- phloritin     Leaf-Fruit-     Bushy tree-Upper leaf with level     Malus orientalis     Rosaceae       Constigater - Anti fever     Malus orientalis     Rosaceae     Spiny bushy tree-     Malus orientalis     Rosaceae       Curing hemorrhage     Tannin- Citric caid- Tartaric caid     Fruit-Leaf     Bushy tree-Upper leaf with level     Mespilus     Rosaceae       Aperient-Skin hygien-Anti fever     Amygdalin- fruer     Kin-Fruit Leaf-Flower     Bushy tree- Narrow and long leaf     Persica vulgaris     Rosaceae       Constigater- fruer     Arbutin-phlorizin     Fruit     Bushy tree-White and pink flower     Prus sativun     Rosaceae       Curing Boody diarrhea and kidney     Arbutin-phlorizin     Fruit     Bushy tree-flower in white and pink flower     Prus comunis     Rosaceae       Curing Boody diarrhea and kidney     Arbutin-phlorizin     Leaf-Flower     Bushy tree-flower in white and pink flower     Prus comunis     Rosaceae       Curing bemorrhage-Skin hygiene     Cyanine     Flower bud     Spiny bushy tree-flower in white and pink flower     Rosaceae       Digestigr - Anti saroy     Cyanine     Flower bud     Spiny bushy tree-flower in white and pink	Curing Kidney and	Folic acid-	Fruit	Bushy tree-With lots of shoots-	Corarus vulgaris	Rosaceae
Dialysis-Curing body     Glucoside     Fruit     Bushy tree-White flower     Fragaria vesca     Rosaceae       Diuretic-     Phlorizin- phloritin     Leaf-Fruit-     Bushy tree-Upper leaf with level     Malus orientalis     Rosaceae       Constipater - Anti fever     Malus orientalis     Stem skin     White and pink flower     Mespilus     Rosaceae       Curing hemorhage     Tannir-Citric acid- Tartaric acid     Fruit-Leaf     Bushy tree-White and pink     Mespilus     Rosaceae       Aperient-Skin hygien-Anti fever     Amygdain- threumatism     Myranose     Fruit     Bushy tree-White and pink flower     Persica vulgaris     Rosaceae       Constipater - Constipater - Curing Bloody diarrhae and kidney     Arbutin-phlorizin     Stem-Fruit- Leaf-Skin     Bushy tree-White and pink flower     Prus communis     Rosaceae       Curing Bloody diarrhae and kidney     Arbutin-phlorizin     Stem-Fruit- Leaf-Skin     Bushy tree-White and pink flower     Prus communis     Rosaceae       Curing Bloody diarrhae and kidney     Arbutin-phlorizin     Steh-Fruit- acid     Bushy tree-White and pink flower in aromatic     Prus communis     Rosaceae       Diuretic-Seatave     Cyanine     Flower Fruit     Bushy tree-White and pink flower in aromatic     Prus aromatic     Rosaceae       Stachydrin- Leaf-Sine hygiene     Stachydrin- Hebardydin-     Leaf-Fruit     Small tree-Strong root in white	.liver diseases	Choline	Fruit	Aspheric fruit		Rusaceae
Image: constraint of the sector of the se	Curing Shortness of breath -	Tannin-	Leaf-Rhizome-			
Diuretic- Constipater -Anti fever Constipater -Anti feverPhologian phologian Constipater -Anti feverPhologian phologian Constipater - Amaic acid- Tartaric acid Tartaric acid Tartaric acid CongotionLeaf-Fruit-Leaf Pruit-LeafBushy tree- Main phushy tree- Narrow and long leafMean plus germanicaRosaceae Pesica vulgar Pesica vulgar <br< td=""><td>Dialysis-Curing body</td><td>Glucoside</td><td>Fruit</td><td>Bushy tree-White flower</td><td>Fragaria vesca</td><td>Rosaceae</td></br<>	Dialysis-Curing body	Glucoside	Fruit	Bushy tree-White flower	Fragaria vesca	Rosaceae
Difference Constipater - Anti fevoPholozian - phloritimStem sinWrite and pinkMalus orientalis (Malus orientalis (Malus orientalis) (Magning hemorrhageRespanse (Magning hemorrhageMagning hemorrhage (Magning hemorrhageMagning hemorrhage (Magning hemorrhageRespanse (Magning hemorrhageMesping (Magning hemorrhage <td>hy</td> <td>oothermia and diarrhea</td> <td></td> <td></td> <td></td> <td></td>	hy	oothermia and diarrhea				
Constipater- Luring hemorrhage     Malic acid- Tartaric acid Tartaric acid Tartaric acid Tartaric acid Tartaric acid Tartaric acid Tartaric acid Furit Leaf-Flower     Spiny bushy tree- Big flower in white and pink Big flower in white and pink Marrow and long leaf     Mespilus germanica     Resaceae       Aperient-Skin hygiene-Anti Fever     Amygdain- Conglotin     Fruit Leaf-Flower     Bushy tree- Narrow and long leaf     Pruso sativus     Rosaceae       Tonic-Curing gout and rheumatism     Pyranose     Fruit Leaf-Skin     Bushy tree-White and pink flower Pyrus communis     Pyrus communis     Rosaceae       Curing Bloody diarhea and kidney     Arbutin-phlorizin acid     Stem-Fruit- Leaf-Flower     Bushy tree-White and pink flower Pyrus communis     Pyrus communis     Rosaceae       Curing Bloody diarhea and kidney     Tarnain-Malic acid-Citric acid     Flower bud     Bushy tree-Flower in white and pink flower aromatic     Pyrus communis     Rosaceae       Digesting - Anti paroxsmi hygiene     Stachydrin- Hesperidin     Leaf- Flower Fruit     Evergreen treearomatic and thick and juicy petal     Rosaceae       Increasing white globules Anti     Camphen- Malic acid     Fruit     Small tree-Strong root in white Spiny their root small and pilow petal     Rutaceae       Increasing white globules Anti     Dibatsac-Citric acid- Malic acid     Fruit     Small tree-White flower with weak smell     Rutaceae       Constipater- Anti ausea and stomad, ache     Limonene- Intarize and stomad, andiausea and stom	Diuretic-	Phlorizin- phloritin	Leaf-Fruit-		Malus orientalis	Rosaceae
Curing hemorrhage fever     Tannin-Citric acid- Tartaric acid Aperient-Skin hygiene-Anti fever     Tannin-Citric acid- Tartaric acid Amygdalin- fever     Fruit-Leaf     Big flower in white and pink Big flower in white and pink Bushy tree- Narrow and long leaf     Persica vulgaris germanica     Rosaceae       Tonic-Curing gout and rheumatism     Pyranose     Fruit     Bushy tree- Narrow and long leaf     Prusus sativum     Rosaceae       Constipater- Diuretic-Sedative     Arbutin-phlorizin kidney     Stem-Fruit- acid     Stem-Fruit- Leaf-Skin     Bushy tree- Bushy tree-White and pink flower communis     Pyrus communis     Rosaceae       Curing hemorrhage-Skin hygiene     Cyanine     Flower bud Hesperidin     Spliny bushy tree-flower in white and pink acid     Spliny bushy tree-relower and flower in aromatic     Rosaceae       Digesting - Anti paroxym     Stachydrin- Hesperidin     Leaf-Flower     Spliny bushy treered and flower in aromatic     Rosaceae       Increasing white globules- Anti     Camphen- Malic acid     Flower Fruit     Small tree-Strong root in white spiny twig point wide     Rutaceae       Constipater- Curing hemorrhage-Skin hygiene     Camphen- Biastas-Citric acid- Malic acid     Fruit     Small tree-White flower with weak smell     Citrus sinensis     Rutaceae       Divertic-Anti bloating and paroxysm     Limonene- Carvon phellandren     Leaf-Fruit     Small tree-White flower small     Anethum graveolens       Divertic-Anti bloating an paroxysm     Api	Constipater – Anti fever		Stem skin	white and pink flower		
Curing hemorrhage     Tannin- Citric acid Tartaric acid     Pruit-Leaf     Big flower in white and pink     germanica     Rosaceae       Aperient-Skin hygiene-Anti fever     Amygdalin- (Conglotin     Shin-Fruit Leaf-Flower     Bushy tree- Narrow and long leaf     Prunus satium     Rosaceae       Tonic-Curing gout and rheumatism     Pyranose     Fruit     Tree-Big fruit     Prunus satium     Rosaceae       Constipater- Diuretic-Sedative     Arbutin-phlorizin     Stem-Fruit- Leaf-Skin     Bushy tree-White and pink flower     Pyrus commonis     Rosaceae       Curing Bloody diarhea and kidney     Tannin-Malic acid-Citric acid     Stem-Fruit- Leaf-Flower     Bushy tree-Flower in white and pink flower aromatic     Pyrus commonis     Rosaceae       Curing Bloody diarhea and kidney     Tannin-Malic acid-Citric acid     Flower bud     Splny bushy tree-flower in white and pink flower aromatic     Rose canina     Rosaceae       Curing Bloody diarhea and kidney     Cyanine     Flower bud     Splny bushy tree-flower in white and pink hygiene     Rose gallica     Rosaceae       Digesting - Anti paroxym     Stachydrin- Hesperidin     Leaf-Flower_ Fruit     Splny bushy treered and flower in aromatic     Ruse gallica     Rutaceae       Increasing white globules Anti acid     Camphen- Malic acid     Fruit     Small tree-White flower white Spiny twing     Citrus sinensis     Rutaceae       Constipater- Anti ausea and stom	Constipater-	Malic acid-		Spiny bushy tree-	Machilus	
fever     Conglotin     Skin-Fruit Leaf-Flower in white and pink flower in white globules. Anti in ansea and stomach ache     Stachydrin- Leaf-     Evergreen treasomatic and thick Spiny twig     Prust flower in white flower white flower in white flower in white globules in green.     Restaceae       Constipater-     Camphen-     Fruit     Small tree-Strong root in white flower white flower white flower white flower in white flower in white globules and flower in white flower in white globules and stomach ache     Scoline-Gallic acid     Fruit     Small tree-Narrow and dark green leaf flower in white groot. Small and	Curing hemorrhage		Fruit-Leaf	Big flower in white and pink	•	Rosaceae
TeverConglotinArrow and long leafordordTonic-Curing gout and rheumatismPyranoseFruitTree-Big fruitPrunus sativumRosaceaeConstipater- Diuretic-SedativeArbutin-phlorizinStem-Fruit- Leaf-SkinBushy tree-White and pink flow Bushy tree-Flower in white and pink flow aromanisPyrus CommunisRosaceaeCuring Bloody diarrhea and kidneyTannin-Malic acid-Citric acidLeaf-FlowerBushy tree-Flower in white and pink flow aromaticPyrus Pyrus Constipater-RosaceaeCuring hemorrhage-Skin hygieneCyanineFlower budSpiny bushy treered and flower in aromaticRosaceaeDigesting - Anti paroxym AntiStachydrin- HesperidinEvergreen treearomatic and thic and juicy petalRosaceaeDigesting - Anti paroxym AntiStachydrin- HesperidinFruitSmall tree-Strong root in white Spiny twigRutaceaeIncreasing white globules- AntiCamphen- Malic acidFruitSmall tree-White flower with weak smellRutaceaeIncreasing white globules- AntiCamphen- Malic acidFruitSmall tree-White flower with weak smellRutaceaeConstipater- Diuretic- Ance and stomach acheLimonene Malic acidHerbal-White root-Small and yellow graveolensAnethum graveolensTamaricaceaeDiuretic-Anti bloating and paroxymApiine-ApiicseThe whole plant Herbal-Steul flower in white flower small graveolensApiime- graveolensApiime- graveolensApiime- graveolens <td< td=""><td>Aperient-Skin hygiene-Anti</td><td>Amygdalin-</td><td>Skip Fruit Loof Flower</td><td>Bushy tree-</td><td>Dorsico vulgorio</td><td>Possesso</td></td<>	Aperient-Skin hygiene-Anti	Amygdalin-	Skip Fruit Loof Flower	Bushy tree-	Dorsico vulgorio	Possesso
rheumatism     Pyranose     Fruit     Inter-signation     Pyrus communis     Rosaceae       Constipater- Diuretic- Sedative     Arbutin-phlorizin acid     Stem-Fruit- Leaf-Skin     Bushy tree-White and pink flower Bushy tree-Flower in white and pink flower aromatic     Pyrus communis     Rosaceae       Curing Bloody diarrhea and kidney     Tannin-Malic acid-Citric acid     Leaf-Flower     Bushy tree-Flower in white and pink flower aromatic     Rose canina     Rosaceae       Constipater- Constipater- Constipater- Constipater- Constipater- Constipater- Constipater- Constipater- Constipater- Comphen- Anti     Cyanine     Flower bud     Spiny bushy tree-flower in white and pink aromatic     Rose gallica aromatic     Rose gallica Rosaceae     Rosaceae       Digesting - Anti paroxym Antiseptic - Mucus producin     Stachydrin- Hesperidin     Leaf- Fruit     Evergreen treearomatic and thick aromatic     Cirus bigaradi Rutaceae     Rutaceae       Increasing white globules- Antiseptic - Mucus producin     Stachydrin- Hesperidin     Fruit     Small tree-Strong root in white and juicy petal     Cirus bigaradi Rutaceae     Rutaceae       Constipater- Diuretic - Angetizer     Scaline-Gallic acid     Fruit     Small tree-White flower with weak smell     Rutaceae       Constipater- ache     Cainon ender Limonene     Amana-Skin     Herbal-White root-Small and yelloy graveolens     Anethum graveolens     Maneliferae       Diuretic-Anti bloating and paroxysm     Apine-Apiiose <td>fever</td> <td>Conglotin</td> <td>SkinFruit Leai-Flower-</td> <td>Narrow and long leaf</td> <td>Persica vulgaris</td> <td>RUSACEAE</td>	fever	Conglotin	SkinFruit Leai-Flower-	Narrow and long leaf	Persica vulgaris	RUSACEAE
Diuretic-Sedative     Arbuth-phiorizin     Leaf-Skin     Bushy tree-White and pink flower communis     Rosaceae       Curing Bloody diarhea and kidney     Tamin-Malic acid-Citric acid     Leaf-Flower     Bushy tree-Flower in white and pink flower in graveolens in graveolens in graveolens and white flower in white flower in white and pink flow		Pyranose	Fruit	Tree-Big fruit	Prunus sativum	Rosaceae
Direct- Sective       Community       Community       Community       Community       Community       Community       Community       Community       Research	Constipater-	Arbutin-phlorizin	Stem-Fruit-	Rushy tree- White and nink flower	Pyrus	Rosacaaa
kidney         Tannin-Malic acid-Citric         Leaf-Flower         Bushy tree-Flower in white and pint         Rose canina         Rose cani	Diuretic- Sedative	Arbutin-pinonzin	Leaf-Skin	bushy tree- white and plink hower	communis	Nosaceae
Constipater- Number of participation         Cyanine         Flower bud         Spiny bushy treered and flow in aromatic         Rose gallice         Rose gallice </td <td>kidney inflammation–</td> <td></td> <td>Leaf-Flower</td> <td>Bushy tree-Flower in white and pink</td> <td>Rose canina</td> <td>Rosaceae</td>	kidney inflammation–		Leaf-Flower	Bushy tree-Flower in white and pink	Rose canina	Rosaceae
Digesting - Anti paroxysmHesperidinFlower_Fruitand juicy petalCitrus bigaradiaRutaceaeIncreasing white globules- AntiCamphen- Limonen Geraniol-CitralFruitSmall tree-Strong root in white Spiny twigCitrus limonumRutaceaeAntiseptic - Mucus producingDiastase-Citric acid- Malic acidFruitSmall tree-White flower with weak smellCitrus sinensisRutaceaeAntiseptic - Mucus producingDiastase-Citric acid- Malic acidFruitSmall tree-White flower with weak smellCitrus sinensisRutaceaeConstipater- Diuretic- AppetizerScoline-Gallic acidManna-SkinTree-Narrow and dark green leaf Dark red branchTamarix gallicaTamaricaceaeAnti nausea and stomach acheLimonene- Carvon phellandrenLeaf-FruitHerbal-White root-Small and yellow flowerAnethum graveolensMubelliferaeDiuretic-Anti bloating and paroxysmWax-Mucilage-Stem-Leaf- FruitHerbal-White pink flower smallApium graveolensUmbelliferaeDiuretic-Anti bloating and paroxysmPhellandren- CoriandrolSeedHerbal-Full of leaves in green- Big and white flowerCoriandrom sativumUmbelliferae	Constipater- Curing hemorrhage-Skin	Cyanine	Flower bud		Rose gallica	Rosaceae
Increasing white globules- Anti       Camphen- Limonen Geraniol-Citral       Fruit       Small tree-Strong root in white Spiny twig       Chrus limonum       Rutaceae         Antiseptic - Mucus producing Constipater- Diuretic - Appetizer       Diastase-Citric acid- Malic acid       Fruit       Small tree-White flower with weak smell       Citrus sinensis       Rutaceae         Anti ausea and stomach ache       Carvon phellandren       Manna-Skin       Tree-Narrow and dark green leaf Dark red branch       Tamarix gallica       Tamarix gallica         Diuretic-Appetizer       Scoline-Gallic acid       Manna-Skin       Herbal-White root-Small and yellow flower       Anethum graveolens       Manhale acid         Diuretic-Anti bloating paroxysm       Apiine-Apiiose       The whole plant       Herbal-Small flower in white green       Apium graveolens       Umbelliferae         Diuretic-Anti bloating and paroxysm       Phellandren- Coriandrol       Seed       Herbal-Full of leaves in green- Big and white flower       Coriandrom sativum       Umbelliferae	Digosting Anti parovusm	Stachydrin-	Leaf-	Evergreen treearomatic and thick	Citrus bigaradia	Putacoao
AntiCamprien-FruitSmall tree-Strong root in white Spiny twigCitrus limonum Citrus limonumRutaceaeIndexerLimonen Geraniol-CitralDiastase-Citric acid- Malic acidFruitSmall tree-White flower with weak smellCitrus sinensisRutaceaeAntiseptic - Mucus producingDiastase-Citric acid- Malic acidFruitSmall tree-White flower with weak smellCitrus sinensisRutaceaeConstipater- Diuretic- AppetizerScoline-Gallic acidManna-SkinTree-Narrow and dark green leaf Dark red branchTamarix gallicaTamarix gallicaAnti nausea and stomada acheLimonene- Carvon phellandrenLeaf-FruitHerbal-White root-Small and yellow greenAnethum graveolensUmbelliferae graveolensDiuretic-Anti bloating and paroxysmWax-Mucilage-Stem-Leaf- FruitHerbal-Small flower smallApium graveolensUmbelliferae graveolensDiuretic-Anti bloating and paroxysmPhellandren- CoriandrolStem-Leaf- FruitHerbal-Full of leaves in green- Big and white flowerCoriandrom sativumUmbelliferae Coriandrom	Digesting - Anti paroxysin	Hesperidin	Flower_Fruit	and juicy petal		Nutaceae
Antiseptic - Mucus producingDiastase-Citric acid Malic acidFruitSmall tree-White flower with weak smellCitrus sinensisRutaceae RutaceaeConstipater- Diuretic-AppetizerScoline-Gallic acidManna-SkinTree-Narrow and dark green leaf Dark red branchTamarix gallicaTamarix gallicaTamarix gallicaAnti nausea and stomach acheLimonene- Carvon phellandrenLeaf-FruitHerbal-White root-Small and yellow flowerAnethum graveolensMabelliferaeDiuretic-Anti bloating and paroxysmMax-Mucilage-Stem-Leaf- FruitHerbal-Small flower in white greenApium graveolensMubelliferae DubelliferaeDiuretic-Anti bloating and paroxysmPhellandren-Stem-Leaf- FruitHerbal-Full of leaves in green- Big and white flowerCoriandrom sativumUmbelliferae Umbelliferae	Anti			_	Citrus limonum	Rutaceae
Constipater- Diuretic-AppetizerScoline-Gallic acidManna-SkinTree-Narrow and dark green leaf Dark red branchTamarix gallicaTamarix gallicaTamarix gallicaAnti nausea and stomach acheLimonene- Carvon phellandrenLeaf-FruitHerbal-White root-Small and yellow flowerAnethum graveolensManna-SkinMerbal-Skin </td <td></td> <td>Diastase-Citric acid-</td> <td></td> <td></td> <td>Citrus sinensis</td> <td>Rutaceae</td>		Diastase-Citric acid-			Citrus sinensis	Rutaceae
Anti nausea and stomach acheLimonene- Carvon phellandrenLeaf-FruitHerbal-White root-Small and yellow flowerAnethum graveolensUmbelliferationDiuretic-Anti bloating paroxysmApiine-ApiioseThe whole plantHerbal-Small flower in white greenApium graveolensUmbelliferationDiuretic-Anti bloating and paroxysmWax-Mucilage- Carvon DihydrocarveolStem-Leaf- FruitHerbal-White pink flower smallCarum carviDiuretic-Anti bloating and paroxysmPhellandren- CoriandrolSeedHerbal-Full of leaves in green- Big and white flowerCoriandrom sativumUmbelliferation			Manna-Skin	Tree-Narrow and dark green leaf	Tamarix gallica	Tamaricaceae
Diuretic-Anti bloating and paroxysmApiine-ApiioseThe whole plantHerbal-Small flower in white greenApium graveolensUmbelliferateDiuretic-Anti bloating and paroxysmWax-Mucilage- Carvon DihydrocarveolStem-Leaf- FruitHerbal-White pink flower smallCarum carviUmbelliferateDiuretic-Anti bloating and paroxysmPhellandren- CoriandrolFruitHerbal-Full of leaves in green- Big and white flowerCoriandrom sativumUmbelliferate	Anti nausea and stomach		Leaf-Fruit	Herbal-White root-Small and yellow		Umbelliferae
Diuretic-Anti bloating and paroxysmWax-Mucilage- Carvon DihydrocarveolStem-Leaf- FruitHerbal-White pink flower smallCarum carviUmbelliferae UmbelliferaeDiuretic- Anti bloating and paroxysmPhellandren- CoriandrolSeedHerbal-Full of leaves in green- Big and white flowerCoriandrom sativumUmbelliferae Umbelliferae			The whole plant	Herbal—Small flower in white	Apium	Umbelliferae
paroxysm     Carvon Dihydrocarveol     Fruit     Herbal-White pink flower small     Carum carvi     Umbelliferation       Diuretic- Anti bloating and paroxysm     Phellandren-     Seed     Herbal-Full of leaves in green-     Coriandrom     Umbelliferation       Diuretic- Anti bloating and paroxysm     Coriandrol     Seed     Herbal-Full of leaves in green-     Coriandrom     Umbelliferation	Diuretic-Anti bloating and	Wax-Mucilage-	Stem-Leaf-			
Diuretic- Anti bloating and paroxysm         Phellandren- Coriandrol         Seed         Herbal-Full of leaves in green- Big and white flower         Coriandrom sativum         Umbelliferate	-	-		Herbal-White pink flower small	Carum carvi	Umbelliferae
paroxysm Coriandrol Seed Big and white flower sativum Umbelliferae				Herbal-Full of leaves in green-	Coriandrom	
	_	Coriandrol	Seed			Umbelliferae
	Diuretic-Skin hygiene		Fruit-Root		Daucus carota	Umbelliferae

#### Archives in Chemical Research ISSN 2572-4657

2017

Vol.2 No.1: 2

			Major		
Health benefits	Effective substance	Usable parts	features of	Species name	Family name
			Botany		
	Anethol-	Root-Leaf-	Herbal-Aromatic -	Foeniculum	
Diuretic-Sedation	Estragolphenone phellandren	Fruit	Yellow flower	vulgare	Umbelliferae
Anti paroxysm and ache	Cadinen-Cadinol-	Diant iuica	Thick Stemyellow – Flower in		Umbelliferae
stomach	Umbelliferon	Plant juice	Leaf with trichome	Frula gumosa	Umbeimerae
	Butyrate	Root-Stem-	Herbal-Aromatic-		
Anti bloating	Methylic-	Flower	White flower	Heracleum persicum	Umbelliferae
Anti biodung	Butyrate ethylic-				
	Acetate				
Diuretic-Curing	Apiiosid-Apiiose-	Root-Stem-		Petroselinum	
Shortness of breath and hepatitis	Apiine	Flower	Herbal-Small and green flower	crispum	Umbelliferae
	Anisic acid-	E		Pimpinella	Line hall the second
Anti bloating	Methyl chavi	Fruit	Herbal-flower in white Small	anisum	Umbelliferae
Softener-	Violin	Flower -Leaf-	Herbal-Heartlike Leaf-Single violet	Viola odorata	Violaceae
Sweaty_Mucus producing	VIOIIII	Root-Seed	flower-Frout with trichome	VIOIA OUOIALA	VIOlaceae
Tonic-Constipater-	Succilic acid-	Plant jouce-	Climber tree –	Vitis vinifera	Vitaceae
Diuretic-Anti fever blister	Vitin-Glucolic acid	Fruit-Leaf	Knotted stem	vitis viriliera	Vitaceae
Sleep cousing-	HarminHarmalin-	Cood	Herbal-Full of green leaves-Big	Peganum harmala	7
Sweaty-Anti worm	Harmalol	Seed	white flower		Zygophyllaceae
-Tonic- Appetizer Bladder and kidney stone	ResinPolyphenol-	Fruit -Root	Herbal-Stem with hairs	Tribulus	zugophyllococ
exertion- Blood pressure reduction	Arabinose	Seed-Leaf		terrestris	zygophyllaceae

 Table 2 Fars province important medicinal plants. (Spermatophytes Division-Angiosperms Subdivision-Dicotyledons Class-Sympetalaes Subclass).

Health benefits	Effective substance	Usable parts	Major features of	Species name	Family name
Curing paroxysm and	Citronel-Citral	Shoot-Leaf	Botany Herbal-Sharp tip leaf-White	Melissa officinalis	Lobiateae
dizziness			flower		
Anti bloating	Tannin-Menthol-	Flowering	Herbal-With rhizome and stolon	Mentha piperata	Lobiateae
Anti bioating	Isomenthol	Leaf shoot-			LODIateae
- Anti bloating	Pectin-Resin-	Aerial parts of the plant	Herbal-	Mentha	Lobiateae
Disinfectant	Pulegiun	Actial parts of the plant	Cylindrical appereance	pulegium	LODIateae
Curing dizziness and	Estavad Osimura		Herbal-Sharp tip leaf – White	Ocimum	Lablatan
nausea and	Estragol-Ocimune	Whole of the plant	flower	basilicum	Lobiateae
cough					
Anti Diuretic bloating	Citrosol-Ursolic acid	Aerial parts of the plant	Herbal- stem color darker than leaves	Satureia hortensis	Lobiateae
Dialysis-Curing		Leaf-Root-	Herbal-Nervure		
Diarrhea and asthma	mucilage	Seed	Throughout the	Plantago major	Plantaginaceae
			leaf		
<b>.</b>	Tannin-Amidone-		Herbal-Leaves aspheric at base, other leaves	Plumbago	
Aperient	Plumbagin-Gallic acid	Root	sharp tip and	europaea	Plumbaginaceae
			narrow - Light blue flower		
Quein a blanti		Root-	Herbal-		
Curing bloating and epilepsy y and paroxysm	Tannin-Valerinic acid- Valerin	Rhizome	Aromatic white pink flower- With Rhizome plenty of roots	Voleriana officinalis	Volerianaceae

 Table 3 Fars province important medicinal plants. (Spermatophytes Division-Angiosperms Subdivision-Dicotyledons Class- Monochlamideaes Subclass).

Health benefits	Effective substance	Usable parts	Major features of Botany	Species name	Family name	
Curing asthma, constipation and	SpinacineNeoxanthin Violaxanthin	Leaf	Herbal-	Spinacia oleraceae	Chenopodiaceae	
rheumatism			Triangular leaf	oleraceae		
		Leaf-	Tree-	Elaeagnus		
Constipater-Anti fever	onstipater-Anti fever Amino acids		Small flower	angostifolia	Elaeagnaceae	
Aporiant	Euphorbon-	Root-	Herbal-	Euphorbia	Euphorbiaceae	
Aperient	Euphorbic acid	Seed	Small red flower	helioscopia	Euphorbiaceae	
Curing tuberculosis and hemorrhage	Tannin-	Leaf Skin Fruit-	Tree-Aspheric female		Fagaceae	
and rickets	Galotanic acid-	Gall	flower- hanging male flower	Quercus tourn		
	Digallic acid		nower			
Diabetes Curing and tuberculosis –	Juglon-Citric acid-Gallic acid-	Wood Leaf -	Tree-Hanging male flower-	Juglans regia	Juglandaceae	
Anti worm	Digallic acid	Fruit	Vertical female flower			
Aperient- Anti parasite	Vitamin C-	Fruit-	Tree-Rough leaf	Ficus carica	Moraceae	
Aperient- Anti-parasite	Betacarotene	Leaf Latex	ilee-kougii leai	Ficus carica	Wordcede	
Curing - Laxative chest	Resveratrol-	Fruit	Tree-Light green leaf	Morus alba	Moraceae	
pain	Tannin				woraceae	
Antiworm Curing core	Gallic acid-	Fruit-				
Anti worm- Curing sore throat	Ellagic acid Anthocyanin	Skin-	Tree-Dark green leaf	Morus nigra	Moraceae	
throat		Root				
Curing skip rash and		Skin-		Platanus		
Curing skin rash and voice hoarseness	Tannin-phenol	Leaf-	Tree-White trunk	orientalis	platanaceae	
		Root		orientalis		
Curing Gingivitis	Remicin	LeafSeed-	Herbal-Sharp tip leaf- Small	Rumex acetosa	polygonaceae	
Curing Ongivitis	Kennicin	Root	flower	Rumex acetosa	polygonaceae	
Anti fever-Anti	Salicid-Helicin-		Tree- Silver white leaf-			
paroxysm	Salicozid	Skin	Surface of the leaf with white hairs	Salix alba	Salicaceae	

 Table 4 Fars province important medicinal plants. (Spermatophytes Division-Angiosperms Subdivision-Monocotyledons Class).

Health benefits	Effective substance	Usable parts	Major features of Botany	Species name	Family name
	Narcinin-Tazenin	Bulb	White flower and aromatic- Narrow and long leaf	Narcissus tazetta	Amarylliaceae
Curing hepatitis- Diuretic	Coniferin- Asparaguse	Rhizome-Root	Herbal- Squamous leaf –With rhizome	Asparagus officinalis	Asparagaceae
Diuretic - Laxative– Wound healing	Vitamin A-E-B - Betaglucan	Bud-Seed	Herbal- Long fruit	Avena sativa	Graminaceae
Anti fever- Diuretic-Curing Diarrhea and nephritis	Albuminoid – Diastase-Enzyme- Amylose	Bud-Seed	Herbal- Rough and intermittent leaf	Hordeum vulgare	Graminaceae
Curing diarrhea and ulcers	Amidone-Niacin- Thiamin-Riboflavin	Seed	Herbal-Annual- Large and narrow leaf	Oryza sativa	Graminaceae
Laxative- Softener	Amidone-Secalose	Bud-seed	Herbal- Rough and wide leaf	Secale cereale	Graminaceae
Curing asthma and inflammation Anti poison	Gluten-Amidone- Cellulose	Bud-seed	H-erbal- Annual	Triticum sp	Graminaceae
Curing toothache	Crocin-Crocetin	Stigula -Style	Herbal-Hard bulb-violet flower	Crocus sativus	Iridaceae
Diuretic- Aperient-Curing whooping cough —Anti worm	Ascorbic acid- Iridine-Irigenin	Rhizome	Herbal-With rhizome Large , fragrant and white flower	Iris florentina	Iridaceae

 $\ensuremath{\mathbb S}$  Under License of Creative Commons Attribution 3.0 License

Health benefits	Effective substance	Usable parts	Major features of Botany	Species name	Family name
Antiseptic- Diuretic-Curing diabetes	Citric acid- Anthocyanin	Bulb	Herbal	Allium capa	liliaceae
Curing Indigestion, obesity and joint pain	Hemolysin- Maltase	Bulb-Leaf	Herbal- Band and wide leaf	Allium porrum	liliaceae
Disinfectant- Anti worm- Decreasing blood pressure	Allyl-Allylpropylle	Bulb	Herbal- White flower	Allium sativum	liliaceae
Curing cough and chest pain	Mucilage-Glucose	Fruit	Tree-Big trunk- Big leaf	Phonix dactylifera	Palmaceae

Table 5 Fars province important medicinal plants. (Spermatophytes Division-Gymnosperms Subdivision).

Health benefits	Effective material	Usable parts	Major features of Botany	Species name	Family name
Vasoconstrictor -Curing diarrhea and .bleeding	Tannin-Essence	Wood- Fruit	Tree-Very small and triangular leaf- Smooth and red grey trunk	Cupressus sempervirens	Cupressaceae
Curing cough- Diuretic	Coniferylic acid	Seed- Bud	Tree-Fractured and red Skin trunk	Pinus silvestris	pinaceae

### References

- 1 Adl E (1970) Divisions of climate and vegetation of Iran, Tehran University Press: Iran.
- 2 Golgolab H. Gia (Plants guide), Bouzarjmehri Press, Iran, p: 404.
- 3 Hakimi Meybodi MH (2009) Identification of Iranian rangeland plants, University Press Center, p: 189.
- 4 Hashemi M (2006) A dictionary of agriculture and natural resources, Farhang Jame Publishers, p: 640.
- 5 Jouri MH, Mahdavi M (2010), Applied identification of rangeland plants, Aeezh Press, Iran, p: 436.

- 6 Mah Van E (2002) A dictionary of Iranian plants, Soroush Press, Iran, p: 656.
- 7 Mobin S (1978) Vegetations of Iran, Tehran University Press, Iran, p: 1958.
- 8 Mozaffarian V (1996) A dictionary of Iranian plant names, Farhang Moaser Press, Iran, p: 740.
- 9 Omid baigi R (1995) Approaches to producing and processing of medicinal plants, Quds Razavi press, Iran, p: 1103.
- 10 Zargari A (2014) Medicinal plants, Tehran University Press, Iran, p: 4274.