

Future Natural Products

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Supplementary file 1, Table S1. Characteristics of medicinal species in the southern regions of Lorestan province

	Family/Scientific name		Vernacular name	The part used	Frequency of Citation	Use Value (UV)	Preparation	Uses
Amaranthaceae								
1	<i>Amaranthus paniculatus</i> L.	13985	Taj Khorus	Leaves, Flower	57	0.39	Infusion	contains tannins and a red pigment used to dye foods and reduce blood loss and to treat diarrhea
2	<i>Chenopodium album</i> L.	12788	Salmak, Salma tarra, Salmona	Leaves	77	0.53	Food	Food, Purify blood, Anti worm, Diuretic, Liver and spleen problems
Anacardiaceae								
3	<i>Pistacia atlantica</i> Desf.	9270	Qoleng, Benah	Fruit, Resin	98	0.68	Food, Chewing gum	Astringent, Disinfection of room air during colds and other infectious diseases
Apiaceae								
4	<i>Ammi majus</i> L.	13729	Ymi	Infusion	59	0.41	Seed	Helps treat skin pigmentation
5	<i>Apium graveolens</i> L.	8371	Kelos, Kerafs e koohi	Leaves, Seed, Stem	57	0.39	Food	Improve digestion, Anti-inflammatory, Rheumatism
6	<i>Bunium Luristanicum</i> Rech.f.	6505	Zirrah	Leaves, Seed, Root, Flower	78	0.53	Food, Infusion	Anti flatus, Increase lactating
7	<i>Bupleurum haussknechtii</i> Boiss.	9583	Chatr e gandomi	Leaves, Seed	33	0.23	Infusion, Ointment	Astringent, Liver tonic
8	<i>Carum carvi</i> L.	6310	Zirra sia	Essential oil, Seed	77	0.53	Food, Infusion	Cough treatment, Anti spasm
9	<i>Dorema aucheri</i> Boiss.	8088	Bilhar, Kandale koohi	Leaves, Resin	44	0.3	Spice, Infusion	Expectorant, Respiratory diseases, Cholesterolemia, Antioxidant
10	<i>Echinophora cinerea</i> (Boiss.) Hoblge & Lamond	5706	Fialeh	Aerial parts	95	0.65	Spice, Infusion	Spice, flavoring of buttermilk and yogurt.
11	<i>Eryngium billardieri</i> Delar.	8896	Zool, Chochaq	Aerial parts	65	0.45	Decoction	Sedative, Treatment for cystitis and urethritis Kidney stones.
12	<i>Ferulago angulata</i> (Schltrd.) Boiss.	11238	Chovier	Leaves	77	0/53	Infusion	Carminative, anti-nausea, Antibacterial, Antioxidant
13	<i>Pimpinella affinis</i> Ledeb.	13417	Taratizak	Aerial parts	70	0.48	Food, Cataplasm	Improve digestion, Antispasmodic, Menstruation pain killer, Expectorant
Apocynaceae								
14	<i>Nerium oleander</i> L.	12604	Kharzarah, Zala	Leave, Stem	101	0.7	Infusion, Cataplasm	Insecticide
Araceae								
15	<i>Arum giganteum</i> Ghahr.	6135	Gol e Shypoori	Root	55	0.38	Cataplasm	Wound healer
Aristolochiaceae								
16	<i>Aristolochia olivieri</i> Colleg. ex Boiss.	11242	Chepoqak	Root, fruit, Seed	35	0.24	Decoction	To treat reptile bites
Asteraceae								
17	<i>Achillea wilhelmsii</i> C.Koch.	13012	Berenj das	Aerial parts, Leave, Root	106	0.73	Infusion, Decoction	Anticatarrhal, Anti-inflammatory, Antioxidant, Antiviral, Diaphoretic (stimulates sweating), Food preservation.
18	<i>Anthemis cotula</i> L.	12837	Gol baina	Flower	87	0.6	Infusion, Decoction	Anti-infective, Treatment of stomach cramps in children
19	<i>Arctium lappa</i> L.	9607	Baba Adam, Tela, Filqoush	Root, Seed	26	0.18	Decoction	Detoxifying agent, Tonic, Measles, Smallpox
20	<i>Artemisia annua</i> L.	14235	Dermenra	Whole plant	69	0.48	Infusions, Decoction	Antimalarial, Anti-parasitic, Reduces fever, Anti-cancer
21	<i>Artemisia dracunculus</i> L.	8183	Tarkho	Aerial parts, Root	74	0.51	Food	Spice, Anti-microbial, Stomach tonic.
22	<i>Carthamus oxyacantha</i> M.B.	6807	Derek Zardah, Golrang, Kajerah	Seed	60	0.41	Decoction, Cataplasm	Wound healer (external use of the oil), Anti Itching
23	<i>Cichorium intybus</i> L.	13763	Kasni, Chaqchaqa	Root, Aerial parts	112	0.77	Decoction	Strengthens the function of stomach and liver also cleansing Urinary tract.
	<i>Echinops kotschy</i> Boiss.		Qan Shakarouk	Root, Fruit, Mann				Cough treatment, Detoxifying,

24		13114			65	0.45	Decoction	Increases sweating.
25	<i>Onopordum acanthium</i> L.	10769	Khar panbe	Stem, Seed, Root, Flower	26	0.18	Infusion	Diuretic, Astringent, Liver and stomach tonic.
26	<i>Silybum marianum</i> (L.) Gaertn	9290	Khar Maryam	Seed, Fruit, Root	113	0.78	Infusion	Antioxidant, Hyperlipidemia, Detoxify
27	<i>Sonchus asper</i> (L.) Hill	8242	Shirtighak	Decoction, Cataplasm	33	0.23	Whole plant	Wound ameliorator, Abscess treatment
28	<i>Xanthium strumarium</i> L.	10758	Zardinah, Tugh	Root, Fruit	25	0.17	Infusion	Tonic, Cooling, Sedative, Astringent, Anti-herpes
				Boraginaceae				
29	<i>Heliotropium denticulatum</i> Boiss.	13882	Rezq-e-merij	Flowering tops	29	0.2	Infusion, Cataplasm	Laxative, Kidney stone, Warts
30	<i>Heliotropium europaeum</i> L.	13883	Gol e Gawzo	Flowers	75	0.52	Infusion, Cataplasm	Cardiotonic, Decrease bile, Warts (external use)
				Brassicaceae				
31	<i>Descurainia sophia</i> (L.) Webb ex Prantl = <i>Sisymbrium sophia</i> L.	8728	Khakshir	Seed	75	0.52	Food	Antipyretic, Anti-thirst.
32	<i>Eruca vesicaria</i> (L.) Cav. = <i>Eruca sativa</i> Mill.	13736	Mandab	Whole plant	48	0.33	Decoction, Cataplasm	Stomach tonic, Hair tonic (external use)
33	<i>Sinapis arvensis</i> L.	12788	Khardal e biabani	Seed	47	0.32	Food	Allergen, Diaphoretic, Asthma, Detoxify, Febrifuge, Hypnotic
				Cannabaceae				
34	<i>Cannabis sativa</i> L.	8779	Shaynah, Shaynak	Flowering tops	75	0.52	Food	Eye inflammation, Pain killer, Hypertension, Asthma, Analgesic, Decrease labor and menstruation pains, Depression, Rheumatism, Arthritis
				Capparaceae				
35	<i>Capparis Spinosa</i> L.	13758	Kabar, Alaf e mar	Fruit	109	0.75	Edible, Decoction, Cataplasm	Anti-diabetes, blood fat reducer, treatment of Eczema
				Caryophyllaceae				
36	<i>Cerastium fragillimum</i> Boiss.	2587	Donah Melichak	Leaves, Fruit	31	0.21	Decoction	Analgesic, Astringent
37	<i>Vaccaria hispanica</i> (Mill.) Rauschert		Cigelinhah	Flowering, Seed, Fruit	48	0.33	Food, Infusion	Diuretic, Sedative, Stop breeding, Anti worm.
				Cucurbitaceae				
38	<i>Bryonia multiflora</i> Boiss. & Heldr.	13096	Fashera	Whole plant,	103	0.71	Decoction of root, Cataplasm	Strong laxative, Increase bile, Sedative Rheumatism pain, helping the body to adapt more effectively to stress and strain.
39	<i>Citrullus colocynthis</i> (L.) Schrad.	8717	Shomishetoni	Fruit, Seed, Root	57	0.39	Decocion	Nervous system tonic, Backache and Headache reliever, Epilepsy, Alzheimer's disease.
				Ephedraceae				
40	<i>Ephedra procera</i> C.A.Mey.	13760	Rish boz, Hamishah Soz	Stem	103	0.71	Decoction	Sweating, Expectorant, diuretic, Increases blood pressure.
				Euphorbiaceae				
41	<i>Euphorbia helioscopia</i> L.	13727	Shirshirak	Whole plant, Resin	60	0.41	Cataplasm	Skin warts, Treat of Herpes and Rashes
				Fabaceae				
42	<i>Alhagi persarum</i> Boiss.	13108	Khar Shotor	mann	68	0.47	Infusion	Expectorant, Increase libido, Febrifuge, Decrease bile
43	<i>cercis siliquastrum</i> L.	13928	Arghevu	Flower	43	0.3	Decoction, Cataplasm	Astringent, Expectorant
				Fagaceae				
44	<i>Coronilla varia</i> L.	11881	Yunjeh	Seed	43	0.3	Food	Treat of Anemia, Digestive
45	<i>Hymenocarpus circinnatus</i> (L.) Savi	13839	Yunjeh	Seed	47	0.32	Food	Diuretic, Astringent
46	<i>Lathyrus Sativus</i> L.	13047	Kholar	Seed	54	0.37	Food	Strong laxative, Narcotic
47	<i>Prosopis farcta</i> (Banks & Sol.) J.F.Macbr.	11051	Belavero, jeghjeghah	Root, Fruit	45	0.31	Decoction	Stress induced muscle cramps, Chest pain, Cholesterolemia.
				Lamiaceae				
48	<i>Quercus brantii</i> Lindl.	12316	Baly	Leaves, Fruit, Bark, Wood	86	0.59	Food	Diarrhea, Astringent, Tannin for tanning leather
				Malvaceae				
49	<i>Eremostachys pulvinaris</i> Bunge	12353	Ganal	Root, Rhizome	29	0.2	Infusion	Dyeing
50	<i>Marrubium vulgare</i> L.	13368	Ferasion	Leaves	26	0.18	Decoction	Expectorant
				Myrsinaceae				
51	<i>Mentha longifolia</i> (L.) L.	13054	Na'naa	Leaves, Flowering tops, Essential Oil	110	0.76	Food, Infusion	Spice, Stomach tonic, Hiccups
52	<i>Nepeta humilis</i> Benth.	12836	Pounesa	Flowering tops	47	0.32	Infusion	Diaphoretic, Carminative, Febrifuge, Colds
53	<i>Salvia sclarea</i> L.	13738	Maramgoli, Balāushah	Flowering tops	78	0.54	Infusion	Aromatic plant, Relieve period pain and premenstrual problems, Antibacterial
54	<i>Salvia sclareopsis</i> Bornm. ex Hedge	13984	Maramgoli, Balāushah	Leaves	75	0.52	Infusion	Analgesic, anti-viral and bacterial infections, anti-depressant
55	<i>Satureja khuzistanica</i> jamzad.	11858	Marzah, Jatarah	Aerial parts	112	0.77	Food	Anti-viral and bacterial infections, Expectorant, Astringent

56	<i>Scutellaria multicaulis</i> Boiss.	13007	Boshqabi	Leaves, Flower, Root	31	0.21	Infusion, Decoction	Nervous system tonic, Antispasmodic.	
57	<i>Scutellaria pinnatifida</i> A.Ham.	13061	Boshqabi	Leaves, Flower, Root	26	0.18	Infusion, Decoction	Nervous system tonic.	
58	<i>Teucrium orientale</i> L.	11147	Maram nokhodi	Aerial parts	80	0.55	Infusion	Anti worms, Headache, Improve emory	
59	<i>Thymbra spicata</i> L.	10485	Jatenah	Aerial parts	107	0.74	Infusion	Aromatic, Strong anti-microbial	
60	<i>Vitex pseudo-negundo</i> (Hausskn.) Hand.-Mazz. = <i>Vitex agnus-castus</i> L.	12606	Kerf	Fruit, Leave	105	0.72	Infusion, Cataplasm	Female hormones balance, Narcotic, Insecticide.	
61	<i>Ziziphora tenuior</i> L.	8327	Kakuty	Leaves, Seed	79	0.58	Infusion	Spice, Expectorant, Stomach tonic	
				Lythraceae					
62	<i>Lythrum hyssopifolia</i> L.	11216	Khoonfam	Flowering tops	35	0.24	Infusion	Astringent, Anti-biotic	
63	<i>Punica granatum</i> L.	9324	Enar	Fruit, Flower	98	0.68	Infusion	Antioxidant, Cardiotonic and improve the circulatory system, Astringent.	
				Malvaceae					
64	<i>Althaea officinalis</i> L.	8679	Gol e Hirou	Flower	78	0.54	Infusion, Cataplasm	Expectorant	
65	<i>Malva neglecta</i> Wallr.	12683	Tülah, Panirak	Flower, Fruit, Leaves	68	0.47	Food, Infusion, Cataplasm	Colds, Cough treatment, Kidney and bladder infections.	
66	<i>Malva pusilla</i> Sm.		Panirak	Leaves, Seed	63	0.43	Infusion, Food	Laxative, Cough and bronchitis treatment, Sedative.	
67	<i>Malva sylvestris</i> L.	10898	Tülah	Leaves, Flower	69	0.48	Infusion, Food	Diuretic, Anti-inflammatory	
				Moraceae					
68	<i>Ficus carica</i> L.	13898	Anjir koohi	Fruit, Resin	65	0.45	Food, Cataplasm	Burns and abscess, Expectorant	
69	<i>Morus nigra</i> L.	9298	Blackberry	Fruit	71	0.49	Food	Laxative, Aphthous ulcer	
70	<i>Morus alba</i> L.	12372	Ty, Tout	Leaves, Fruitt.	75	0.52	Food	Diabetes, Expectorant.	
				Myrtaceae					
71	<i>Eucalyptus globulus</i> Labill.	14260	Ocaliptus	Essential Oil, Leave	101	0.7	Vapour	Colds, Antitussive, Anti-infection, Expectorant, Bronchitis, Improve skin problems	
72	<i>Myrtus communis</i> L.	13890	Murt, Murd	Leave, Seed	101	0.7	Cataplasm, Decoction	Colds, Hair tonic, Aphthous ulcer, Herpes and Oral thrush	
				Nitrariaceae					
73	<i>Peganum harmala</i> L.	11049	Didi, Esfan	Leaves, Seed	69	0.48	Decoction	Eye problems, Sedative, anti-worm, environmental disinfectant	
				Papaveraceae					
74	<i>Fumaria asepala</i> Boiss.	13184	Shatarrah	Leaves, Flowering tops, Fruit	68	0.47	Food, Ctplasm	Hepatitis, Decrease bile, Sedative	
75	<i>Papaver somniferum</i> L.	6242	Khashkhash, Teryak	Seed, Resin	54	0.37	Food, Infusion	Pain killer, Spasmolytic, Cough treatment, Diarrhea, Astringent, Narcotic, Diaphoretic	
				Plantaginaceae					
76	<i>Plantago major</i> L.	3492	Barhang, Kharchang	Leave, Seed	105	0.72	Infusion, Seed soaked in water	Laxative, Antipyretic, Antitussive, Anti-diarrhea, Gastric ulcer, Toothache, Blood-cleaning	
				Poaceae					
77	<i>Avena sativa</i> L.	13786	Jo Dosar	Seed	106	0.73	Edible, Infution	Food, Nourishing, general tonic, Depression.	
78	<i>Hordeum bulbosum</i> L.	13813	Jo piazdar	Seed, Stem	63	0.43	Food	Diabetes, Cholesterolemia, Immune system tonic, Skin care	
79	<i>Hordeum distichon</i> L.	11011	Jo	Seed, Stem	67	0.46	Food, Cataplasm	Nourishing for recovery, Facilitate food absorption, Wound healer	
80	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	3584	Ney	Leaves, stem, Root	23	0.16	Decoction	Infectious wounds: the Ash (external use), Stop bleeding, Gum inflammation.	
81	<i>Sorghum halepense</i> (L.) Pers.	13808	Chaeir, Helit	Seed	60	0.41	Food, Ctplasm	Skin inflammations, Skin softening, Warm compress to treat measles	

82	<i>Zea mays</i> L.	----	Khayateh e Zorat	Meal, Cornsilk (stamens)	81	0.56	Food, Decoction	Cornsilk can be used fresh or dried as a remedy for Urinary tract infections. Nutrishing
Polyodiaceae								
83	<i>Polypodium Vulgar</i> L.	6144	Särakhs	Rhizome	50	0.34	Infusion, Decoction	Expectorant, Mild Laxative, Decrease bile
Polygonaceae								
84	<i>Rumex acetosella</i> L.	5792	Torshák	Aerial parts	65	0.45	Food	A detoxifying herb, the fresh juice having a Pronounced diuretic effect.
Portulacaceae								
85	<i>Portulaca oleracea</i> L.	13202	Perpelik, Denontijcar	Leaves	74	0.51	Food	A good source of vitamins and Calcium and has antibiotic properties.
Primulaceae								
86	<i>Anagallis arvensis</i> L.	8687	<i>Anaghais</i>	Whole plant	45	0.31	Food, Cataplasma	Anti-itching, Insect bites.
87	<i>Primula gaubaeana</i> Bornm.	12080	Gol e Pamchal	Leaves, Flower, Root	47	0.32	Food, Cataplasma	The root is strongly expectorant, stimulating a more liquid mucus.
Rhamnaceae								
88	<i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn.	8932	Remliq	Flower, Fruit	63	0.43	Infusion, Cataplasma	Stomach tonic, Colds, Relieves rheumatic pains and removes hives and moisturizes the skin
89	<i>Ziziphus spina-christi</i> (L.) Willd.	3534	Sedr, Konar	Leaves, Flower, Fruit	107	0.74	Food, Cataplasma	Hair tonic, Cough treatment
90	<i>Ziziphus jujuba</i> Mill.	8907	Enaw	Fruit	81	0.56	Food,	It aids weight gain, improves muscular strength, and increases stamina.
Rosaceae								
91	<i>Prunus haussknechtii</i> (C. K. Schneider) Bornm. = <i>Amygdalus haussknechtii</i>	13923	Latah, Bayem	Fruit	89	0.61	Food	Food, Hypertension
92	<i>Sanguisorba minor</i> Scop.	13784	Tout Robahi	Whole plant	31	0.21	Infusion, Cataplasma	Carmine, Decrease lactating, Wound healer, Digestive problems, Uterine bleeding
Rubiaceae								
93	<i>Asperula glomerata</i> (M. B.) Griseb.	8255	Zebrinneh	Aerial parts	28	0.19	Infusion	Treatment of Varicose veins and inflammation of veins, Antispasmodic
Salicaceae								
94	<i>Populus euphratica</i> Oliv.	12569	Pedah, Beplak	Leaves, Bark, Bud	47	0.32	Decoction, Cataplasma	Astringent, anti-infective, Febrifuge
Santalaceae								
95	<i>Viscum album</i> L.	13124	Chakam, Darvash	Leaves, Stem	65	0.45	Cataplasma	It is mainly used to lower blood pressure and heart rate, reduce anxiety, and improve sleep.
Solanaceae								
96	<i>Datura Stramonium</i> L.	13771	Tatilah	Leaves, Seed	33	0.23	Decoction, Cataplasma	Thornapple seeds and leaves ease asthma, but are hallucinogenic in large doses.
97	<i>Hyoscyamus leptocalyx</i> Stapf	8517	Bangelilah, Kajeh hilah	Leaves, Seed	75	0.52	Infusion	Urinary and bladder pain reliever, sedative, Analgesic
98	<i>Hyoscyamus niger</i> L.	3462	Bangelilah, Kajeh hilah	Leaves, Seed	101	0.7	Ointment, Vapour	Sedative and painkiller
99	<i>Hyoscyamus tenuicaulis</i> Schonbeck-Temesy	12511	Bangdaneh	Leave, Seed	79	0.54	Cataplasma	External use of seed oil to relieve Rheumatic and gout pains
100	<i>Physalis alkengi</i> L.	13732	Aroosak-e Poshte Pardeh, Kakonj	Fruit, Leaves	35	0.24	Food, Cataplasma	Treatment Of Skin Diseases, Anti-Inflammatory, Stomachache.
101	<i>Solanum persicum</i> Wild. ex Roemer. & Schultes	13798	Taj rizi	Fruit, Leaves, Flowering tops	52	0.36	Food, Cataplasma	Rheumatism, Cough and Asthma treatment, Narcotic, Hemorrhoids, Burn healer
Tamaricaceae								
102	<i>Tamarix gallica</i> L.	12970	Gäz	Fruit, Root, Bark	63	0.43	Food, Cataplasma	Astringent, Stop bleeding (the latex)
Typhaceae								

103	<i>Typha Latifolia L.</i>	13891	Kerepi, Karepo	Pollinia, Rhizome, Fibers around the seeds	38	0.26	Cataplasma	The external use for Stop bleeding, Skin wounds and Burn
Verbenaceae								
104	<i>Verbena officinalis L.</i>	4691	Shapāsānd	Decoction, Cataplasma	54	0.37	Aerial parts	Sedative, Nervous system tonic, Calmative
Zygophyllaceae								
105	<i>Zygophyllum fabago L.</i>	11712	Ghich	Leaves, Seed	33	0.23	Infusion	Anthelminitic, Ophthalmic
106	<i>Tribulus terrestris L.</i>	11653	Khar khāsak, Pekol	Flower, Fruit, Root, Seed	52	0.36	Infusion, Ointment	Treatment of diabetes