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Survey of Some Common Medicinal Plants Used in Eritrean Folk Medicine

Abstract

Sample survey was conducted by the researchers in a particular designated administrative area of two Zobas of the State of Eritrea, to know the type of medicinal plants used by the people. They used by different occasions of medicinal plants and its common names were enclosed, for leaves, roots, stems, flower/ buds, and even seeds for the treatment either in raw form or in extracted form. They shared their experiences in healing the ailments of different age groups and have some trust on such plant extractions rather than in modern medicines. They have shown good results and have healing properties, as the survey certified. Hence, conservation is an utmost important for such medicinal plants in modern world.

Keywords: Herbal plants; Traditional; Antimicrobial; Diuretic; Ailment

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Introduction

Ethnobotanical studies are often significant in revealing locally important plant species especially for the discovery of crude drugs. Right from its beginning, the documentation of traditional knowledge, especially on the medicinal uses of plants, has provided many important drugs of modern day [1]. According to World Health Organization report more than 80% of the people in Africa depend on traditional medicine for their health care needs [2]. With the emergence of new diseases and drug resistance to infections such as HIV/AIDS, malaria, tuberculosis, diarrheal diseases and skin problems; traditional medicine should be given more attention in modern research and development [3]. Because of the unmatched availability of chemical diversity, natural products, either as pure compounds or as standardized plant extracts, provide unlimited opportunities for new drug leads. Now with 78% of the new chemical entities being natural or natural product-derived molecules, there has been a promising alternative treatment of infectious disease using medicinal plants Mariita [3], sexual contagious diseases such as HIV/AIDS for the treatment by using medicinal plants.

Recently, various plants are used as a subject to medical experiment. In particular, herbal plants are recognized as one of the intriguing subjects from which the extracts can be used in health care setting for future purpose. Nevertheless, for the reason that Agricultural expansion, Eritrean society has a long

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history of practicing traditional/herbal medicine that also has links to cultural values and beliefs. In this context, traditional medicine is concerned with types of medical treatment and practices that are based on customary knowledge. Owning to poor health-care facilities in rural Eritrea, a great majority of the population are still reliant on traditional medicine, as the study indicated. Traditional medical practices are quite varied based on cultural diversity. While a majority of traditional healers deal with human diseases, some also specialize in the treatment of animal diseases, disease prevention, and the promotion of spiritual and physical well-being of community members [4].

Ethnobotanical knowledge of medicinal plants in the high lands of Eritrea is transferred from the older people to younger generations at household level and this knowledge is not ongoing in written form, so that their losses or distortion at every transfer is inevitable [5,6]. According to Tecleab et al. [7], Ethnobotanical survey was conducted in Zoba Maekel and Zoba Semenawi Keih Bahri. The survey includes some villages and some towns such as: Asmara, Belza, Shegrini, Betgirgish, Areberubu, Adi guadad, Maihinzi, and Gihn-dae. These areas are inhibited by Tigrna, These areas are inhibited by Tigrna, Tigre, and Saho ethnic groups. Information was obtained using digital record, free-listing, semistructured and open-ended interviews with traditional healers, community elders, and mothers. Nine medicinal plants that used to treat diseases associated with bacteria were identified and the study justifies the traditional use of the plants in Eritrean traditional medicine.In spite of the vast role and important ethnobotanical contributions of medicinal plants in the primary health care, limited works have so far been done in the country [6,8]. This study has therefore been initiated to document the plants used in the traditional medical practices of the Eritrean people together with the associated ethnobotanical and ethnomedicinal knowledge and practices.

Study Area

Ethnobotanical survey was conducted in two Zoba Maekel and Zoba Semenawi Keih Bahri, of the administrative areas called as Zobas, of the State of Eritrea. The survey includes some important villages and some towns where more than 10,000 populations were inhabitants of that particular area and the places were: Asmara, Belza, Shegrini, Betgirgish, Areberubu, Adi guadad, Maihinzi, and Gihn-dae. These areas are inhibited by Tigrna, Tigre, and Saho ethnic groups. Information was obtained using digital record, free-listing, semi-structured and open-ended interviews with traditional healers, community elders, and mothers. More medicinal plants that used to treat diseases associated with bacteria were identified and the study justifies the traditional use of the plants in Eritrean traditional medicine.

Objective of the Study

The general objective of this research is to prepare a survey of the medicinal plants used by the folk of the designated research areas of the two Zobas of the State of Eritrea.

- The type of plants used by the people of that region
- The type of extracts of the plant parts used by them
- The healing properties/therapy of such plant crude extracts

Significance of Study

- To survey of different medicinal plants used by the people of Eritrea in the research area of the two Zobas.
- Promote the discovery of new drugs to cure for certain dreaded diseases
- Help in the conservation of such plants
- It can also be used as reference area for such plants for further studies

Materials and Methods

Plant collection

The stems, leaves, flowers, roots, barks etc. of such plants were studies in and also collected from the two Zobas of the State of Eritrea. The plant samples were identified and authenticated in the Department of Biology, Herbarium in EIT, as the list enclosed.

Data collection

The people of that region were, by asking some oral questions, questionnaire and by interviewing them in using the medicinal plants and the type of plant parts, so that to get a correct

information about medicinal plants, and how the healing process was noticed. After thorough investigation, then the researchers got some conclusions. It was noted down as a medicinal plant. Some of the plants were identified, pressed, dried on the spot and some were brought to the Herbarium Lab, of Eritrea Institute of technology and documented for further studies.

Results and Discussion

Plant extracts are paying much attention in these days because of side effects and were experimenting with different diseases, healing and finally concluding that this plant will be cured a particular disease. Hence, people were directed and gradually shifting towards popular plant extracts for biologically active ingredients to cure bodily ailments and plays a vital role. Survey was conducted, from the two Zobas, and the type of plants are using for healing them heal bodily ailments. It was reported that all the plants in the tabular form for using different plant extracts such as leaf, stem, flower, buds, barks and seeds for the therapeutic purposes in the Zoba [9]. People of the two Zobas were warmly responded that the plant products and extracts were completely healed but took over a period of long time. There were no side effects as they cited for using such plants. Many research works were conducted on different plants and still it is in the infancy to study [5]. Further extensive study is required experimentally for each medicinal plant for its biological activity, so that we can conclude that a particular plant will heal the ailment caused by either bacterial, viral or by wounds.

In this study, 256 plant species of medicinal importance were observed and some were recorded and documented for its various applications **(Table 1)**. Most of these medicinal plants are harvested from natural stands followed by home garden. They are also found growing sporadically in natural forest, hills, mountains, churches, home gardens, rivers and roadsides [10]. They are the predominant sources of traditional medicine for traditional healers and even there is no allopathic treatments of the rural areas. Shrubs were found to be the most dominant growth forms in the preparation of traditional remedies followed by herbs, trees, climbers and trailing herbs of this region. Like in other parts of the State of Eritrea people were using as a traditional medicine for both animal and human diseases.

Conclusion and Recommendation

This study provides and clues for the scientific basis to the traditional uses of different medicinal plants for healing different diseases. It may be a source supply of modern medicines. Many chemicals were found in different plant parts hence through investigation is required. It also helps to encourage the cultivation of such plants of high medicinal value to enhance the income for ethnobotanical cultivation.

Based on such vital importance it was recommended for:

 Traditional herbalists should be well acquainted with and abide by the ethics and fundamental principles of medicines, so that the medicine has a positive impact on health of the society and it should be given in precise dosage.

Table 1: Some common medicinal plants used in Eritrean folk medicine.

		Fourily normal		Dianturanta	6:1
S.No	Scientific name	Family name	Local name	Plant parts	Ailment type
1.	Acacia asak	Fabaceae	Suhug	Flowers	Skin diseases and Tooth ache
2	Acacia ehrenbergiana	Fabaceae	Hal-aqba	Barks	Tooth ache and Ear infection
3	Acacia etbaica	Fabaceae	Seraw	Leaves	Constipation, and Ring worm infection
4	Acacia laeta	Fabaceae	Qenteb	Leaves	Diabetes and Antibiotics
5	Acacia lahai	Fabaceae	Lehai	Leaves	Taeniacide and Rheumatism
6	Acacia mellifera	Fabaceae	Tselim qenteb	Barks	Evil eyes and Diabetes
7	Acacia nilotica	Fabaceae	Ghered	Leaves	Abdominal pain and Anti-emetic
8	Acacia oerfota	Fabaceae	Ghemrot	Leaves	Eye disease and Evil eyes
9	Acacia oregona	Fabaceae	Alaa	Leaves	Easing labor and Back pain
10	Acacia polyacantha	Fabaceae	Ghomoro	Leaves	Rheumatism and Segri
11.	Acacia Senegal	Fabaceae	Tsaeda qenteb	Gums	Diabetes and Abdominal pain
12.	Acacia seyal	Fabaceae	Keih chea	Barks	Diabetes and Hypertension
13.	Acacia sieberiana	Fabaceae	Cheare	Roots	Abdominal helmentes and Scabies
14.	Acacia tortilis	Fabaceae	Alaa	Leaves	Snake and Scorpion bite and Gonfi
15	Achyranthes aspera	Amaranthaceae	Mechelo	Leaves	Tonsillitis and Nails inflammation.
16.	Acokanthera schimperi	Apocynaceae	Mebtae	Leaves and Stems	Skin wound, Eye infection
17.	Adansonia digitata	Bombacaceae	Duma	Barks	Anti abortion and eye infection
18	Aerva lanata	Amaranthaceae	Hamli gobo	All parts	Gerefta, febrile
19.	Agave sisalana	Agavaceae	Eqaa	Latex	Diarrhea and Ear infection
20	Ajuga integrifolia	Lamiaceae	Ango-guasot	Stems	Malaria, Hepatitis, Dysentery and Swelling
21	Albizia amara	Fabaceae	Chigono	Leaves	Blood pressure and Anti-lice
22	Albizia anthelmintica	Fabaceae	Messenna	Leaves	Abdominal helminthes, Diarrhea and Burns
23	Allium cepa	Alliaceae	Shiguerti tseada	Bulbs	TB, Hepatitis
24	Allium sativum	Alliaceae	Shiguerti tseada	Bulbs	Hypertension, Malaria and Asthma
25	Aloe camperi	Aloaceae	Sandae-ere	Latex	Malaria, Hepatomegaly and Splenomegaly
26	Aloe elegance	Aloaceae	Ere	Latex	Diabetics and Abdominal pain
27	Aloe macrocarpa	Aloaceae	Tsebir	Latex	Impotency, Malaria and Easing labor
28	Aloe percarsa	Aloaceae	Ere	Latex	Anthrax, Malaria
29	Amaranthus sylvestri	Amaranthaceae	Bernahayo	Leaves	Back pain, Tooth pain and Anti-helminthes
30	Annona muricata	Annonaceae	Anona	Leaves and Fruits	Kill lice, Bedbugs and Gastritis
31	Anogeissus leiocarpus	Combreataceae	Hanse	Leaves	Anthrax, Hepatitis
32	Apium graveolnese	Apiaceae	Sodieno	Roots and Seeds	Rheumatism, Asthma and Bladder infection
33	Argemone mexicana	Papaveraceae	Dander	Latex	Antibiotics and Cataracts
34	Artemisia annua	Asteraceae	Artimesia	Leaves	Bladder infection, Hepatitis and Malaria
35	Asparagus africanus	Asparagaceae	Chemara-ansti	All parts	Skin lesion and Heart diseases
36	Aspilia mosambicensis	Asteraceae	Aspilia	Leaves	Kidney diseases and Bleeding after delivery
37	Astragalus atropilosulus	Fabaceae	Tetem-agazen	Barks	Hemorrhoids, Itching and Diarrhea
38	Avicenna marina	Verbenaceae	Mangrove	Leaves	Ulcers, Diabetics, Asthma and Cancer,
39	Azadirachta indica	Meliaceae	Nim	Seeds	Hemorrhoids, Fungal and Insects
40	Balanites aegyptiaca	Balanitaceae	Meqie	Leaves and Fruits	Head ache, Abdominal pain and Bilharzias'
41	Barbeya oleoides	Barbeyaceae	Hirmi-tel	Leaves	Wound infection
42	Barleria eranthemoides	Acanthaceae	Eshok-ziebie	Leaves	Eye problem, Tonsillitis and Eczema
43	Becium grandiflorum	Lamiaceae	Tahebeb	All parts	Cramps, Anti-inflammatory and Malaria
44	Bersama abyssinica	Melianthaceae	Bersama	Stems	Heart disease and Tape-worm
45	Bidens pilosa	Asteraceae	Tsegogot	Barks	Gerefta and Gonfii
46	Boscia angustifolia	Capparidaceae	Kermed	Roots	Snake-bite, Gastritis and Gonfii
47	Boscia salicifolia	Capparidaceae	Oba	Barks	Scabies, Bloating and Choilynichites
48	Boscia senegalensis	Capparidaceae	Hamta	Roots	Snake and Scorpion venom
49	Boswellia papyrifera	Burseraceae	Meqer	Gums	Fever, Tranquilizer and Evil spirit
50	Brassica nigra	Brassicaceae	Hamli-adrii	All parts	Cough and Fungus
51	Brassica olearacea	Brassicaceae	Cawlo	All parts	Gastritis, Rheumatism and Asthma
52	Brucea antidysenterica	Simaroubaceae	Anderguhila	Roots	Diarrhea, Evil eyes and Rabies
53	Buddleia polystachya	Loganiaceae	Metere	All parts	Evil eye, Segri and Insects
54	Cadaba farinosa	Capparidaceae	Bersenai	Leaves	Ophthalmia, Insect repellant and Body pains

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55	Cadia purpurea	Fabaceae	Qetin-ome	Leaves	Wound infection and nail inflammation
56	Calotropis procera	Asclepiadaceae	Ghindae	Latex	Hemorrhoids, Wound and leprosy
57	Calpurnia aurea	Fabaceae	Htseawets	Leaves	Snake and Scorpion venom and leprosy
58	Capparis decidua	Capparidaceae	Sorob	Roots	Chest pains, Jaundice and Malaria
59	Capparis tomentosa	Capparidaceae	Andel	Leaves	Cold, Wound infection and Purgative
60	Carica papaya	Caricaceae	Рарауо	Seeds	Diabetes, Amoeba and Typhoid fever
61	Caralluma speciosa	Asclepediaceae	Ango-harmaz	Leaves	Burns and Wound infection
62	Carissa spinarum	Apocynaceae	Agam	Barks	Malaria, Splenomegaly and Hepatomegaly
63	Casimiroa edulis	Rutaceae	Cazmir	Fruits	Menstrual disorder and Constipation
64	Capsicum annuum	Solanaceae	Gue-berbere	Fruits	Arm-stream, Alopecia and Hemorrhoids
65	Celtis africana	Ulmaceae	Chebaale	Leaves	Rheumatism and Lung disease
66	Chenopodium album	Chenopodiacea	Moq-moqo	Leaves	Choilynichitis, Burns and Wounds
67	Cicer arietinum	Fabaceae	Ater	Seeds	Malaria and Diarrhea
68	Cichorium endiva	Asteraceae	Shikoria	All parts	Diabetes and wound infection
69	Cinnamomum zeylanicum	Lauraceae	Qarfa	All parts	Rheumatism, Diabetes and Blood circulation
70	Cissus quadrangularis	Vitaceae	Alge	All parts	Anti-fungal and insects
71	Cissus rotundifolia	Vitaceae	Me'ar-mitsu	Leaves and Fruits	Antibiotic, Gonfi and Antifungal
72	Citrus limon	Rutaceae	Lemin	Fruits	Gastritis and Digestion problem
73	Citrus sinensis	Rutaceae	Brtukan	Fruits	Cough and Antibiotic
74	Citrus reticulata	Rutaceae	Manderin	Fruits	Diarrhea, Helminthic infection
75	Clematis simensis	Ranunculaceae	Qemida	Leaves	Leishmaniasis and Eczema
76	Clerodendrum myricoides	Verbenacea	Sur-betri	Leaves	Dysentery and Abdominal helmets
70	Clutia lanceolata	Euphorbiaceae	Etan belalito		
		•		Latex	Gastritis, Diabetes and Rheumatism
78	Coffea arabica	Rubiaceae	Bun	Leaves	Eye diseases, Snake poison and Burns
79	Combretum aculeatum	Combretaceae	Kuto	Flowers	Conjunctivitis and Ear infection
80	Combretum fragrans	Combretaceae	Tenkeleba	Barks	Lung disease and Constipation
81	Combretum molle	Combretaceae	Sesewe/ Abelwa	Leaves	Jaundice and Epidermal wounds
82	Cometes abyssinica	Carryphyllaceae	Saerosaero	All parts	Sun strike, Insects and Viral infection
83	Commelina africana	Commelinaceae	Gellif	Leaves	Skin disease and Hypertension
84	Commicarpus pedunculosus	Nyctaginaceae	Ezeni-taewa	Leaves	Scorpion and Snake bite
85	Commiphora africana	Burseraceae	Anqua	Stems	Expel the placenta after birth and Gastritis
86	Cannabis sativa	Cannabidaceae	Etse-fares	Leaves	Bronchial Asthma and Segri
87	Cordia africana	Boraginaceae	Awhii	Leaves and Stems	Abdominal pain and wound infection
88	Cordia monoica	Boraginaceae	Awhii-tsergah	Leaves	Wound infection and Sun strikes
89	Coriandrum sativum	Apiaceae	Tsaeqda	Leaves	Diuretic, Fever and Hypertension
90	Croton macrostychus	Euphorbiaceae	Tambuk	Leaves	Head ache, Eye diseases and Ascariasis
91	Cucumis dipsaceus	Cucurbitaceae	Hafaflo	Roots	Abdominal Helminthes and Diarrhea
92	Cucurbita pepo	Cucurbitaceae	Duba	Seeds	Intestinal warms, Diuretics and Lactation
93	Cymbopogon citratus	Poaceae	Lemon–grass	Roots	Fever of domestic animals and Ascariasis
94	Cynodon dactylon	Poaceae	Romadi	Roots	Snake poison and Skin crack
95	Cynoglossum lanceolatum	Boraginaceae	Teag-teag	Roots and leaves	Abdominal pain and Ear-infection
96	Cyphostemma adenocoule	Vitaceae	Hareg temen	Leaves	Snake poison and Amoeba
97	Dalbergia melanoxylon	Fabaceae	Zebe	Roots	Snake poison and Insect repellants
98	Datura stramonium	Solanaceae	Mezerbae	Leaves and Stems	Rabies, Dandruff and Tooth ache
99	Daucus carota	Apiaceae	Carroti	Tubers	Diabetes, Gastritis and Eye clearness.
100	Delonix elata	Fabaceae	Refna/Ref	Leaves	Laxative and purgative
101	Dichrostachys cinerea	Fabaceae	Ghonoq	Leaves	Impotency
102	Diospyros abyssinica	Ebenaceae	Tselimo	Barks	Fungus and Termite resistant
103	Diospyros mespiliformis	Ebenaceae	Aye	Barks	Fungus and Termite resistant
104	Dobera glabra	Salvadoraceae	Gharsai	Fruits	Intestinal parasites and Rheumatism
105	Dodonaea angustifolia	Sapindaceae	Taheses	Leaves	Abdominal Helminthes and Dandruff
106	Dombeya torrida	Sterculiaceae	Sonqua	Roots	Asthma, Cough and Skin Wound
107	Dracaena schizanta	Lilaceae	Termo Eqa	Leaves	Ear ache and Chronic ulcer
108	Embelia schimperi	Myrsinaceae	Enkoko	Leaves	Taeniacide and Insecticides
108	Embena Seminpen	ingroniaceae	Enkoko		
108	Eragrosis teff	Poaceae	Taff	Seeds	Anemia and Constipation

111		N A: who a a a a	Osiah kalamitas	1	Course Antibiotic and Incontinida
111 112	Eucalyptus camaldulensis	Myrtaceae	Qeieh-kelamitos Tseada Kelamitoes	Leaves	Cough, Antibiotic and Insecticide Diabetes, Cough, Rheumatism and Gonfii
	Eucalyptus globulus	Myrtaceae			, , ,
113	Euclea racemosa	Ebenaceae	Kileaw	Roots	Malaria, Hepatitis and Purgative
114	Eugenia carophyllata	Myrtaceae	Qnefer	Barks	Emetic, Tooth ache, TB, and Menstruation
115	Euphorbia abyssinica	Euphorbiaceae	Qolqual	Latex	Abdominal pain, Hepatitis and Antibiotic
116	Euphorbia candelabrum	Euphorbiaceae	Qolqual	Latex	Wound healing and Malaria
117	Euphorbia nubica	Euphorbiaceae	Be'rir-aha	Latex	Kidney problem and Insecticides
118	Euphorbia polyacantha	Euphorbiaceae	Mezba	Latex	Asthma, leshmaniasis
119	Euphorbia prostrata	Euphorbiaceae	Tseba dmu	Latex	Abdominal pain, Hepatitis and Antibiotic
120	Euphorbia tirucalli	Euphorbiaceae	Qenchibe	Latex	Abdominal pain, skin diseases and Warts
121	Ficus carica	Moraceae	Beles telian	Leaves	Eczema, alopecia, Insecticides and Malaria
122	Ficus glumosa	Moraceae	Cheqemte	Fruits	Wound, Jaundice and Snake bite
123	Ficus sycomorus	Moraceae	Saghla	Fruits	Loss of weight, Eczema and Evil eyes
124	Ficus thoningii	Moraceae	Shibaka	Fruits	Itching and Rabies
125	Ficus vasta	Moraceae	Daero	Fruits	Internal swell of abdomen
126	Flaveria trinervia	Asteraceae	D'kha nqel	All parts	Insecticides and Cough
127	Foeniculum vulgare	Apiaceae	Shelan	Leaves	Cough, Abdominal pain and Obesity
128	Flueggia virosa	Euphorbiaceae	Harmazo	Roots	Malaria, Pneumonia and Diarrhea
129	Grewia ferrugenia	Tiliaceae	Tsenqua	Stems	Hemorrhage and Endoparasites
130	Grewia flavescens	Tiliaceae	Mosoqua	Leaves	Intestinal worms
131	Grewia mollis	Tiliaceae	Ova	Leaves	Burns and Evil eyes
132	Grewia tenax	Tiliaceae	Serneg	Barks	Delivery of the placenta
133	Grewia villosa	Tiliaceae	Habene	Stems	Burns and Sun strike
134	Guizotia abyssinica	Asteraceae	Nihug	Seeds	Throat sore, Bone fracture and Myalgia
135	Heteromorpha arborescens	Apiaceae	Mirkus-zibie	All parts	Relive headache and breathlessness.
136	Heliotropium cinerascens	Boraginaceae	Amam-gemel	Leaves	Tonsillitis, Dandruff and Ring warm
137	, Hibiscus eriospermus	Malvaceae	Merqua	Roots	Asthma and Tooth ache
138	, Hibiscus macranthus	Malvaceae	Tsegot	Roots	Asthma and Tooth ache
139	Hibiscus rosasinensisi	Malvaceae	Tsighereda	Flowers	Tape warm and Gastritis
140	Hordeum vulgare	Poaceae	Sgem	Seeds	Digestion problems and Bone setting
141	Hyphaene thebaica	Arecaceae	Arkobkobai	Fruits	Gastritis and Insecticides
142	Hypoestes forskaolii	Acanthaceae	Debe-awald	Leaves	Gastritis, Diabetes and Anemia
143	Indigofera arrecta	Fabaceae	Elam-wekaria	Leaves	Sun strike, Gerefta and Dyspepsia
144	Jacaranda mimosifolia	Bignoniaceae	Palasandro	Roots	Evil eye and Diarrhea
145	Jasminum gradiflorum	Oleaceae	Habi-tselim	Leaves	Increases lactation and Tape warm
146	Juniperus procera	Cupressaceae	Tsihdi	Roots	Ringworm, Laxative and Stomach worms
147	Justicia cordata	Acanthaceae	Suu'da	Leaves	Warts and Bloating
148	Justicia schimperiana	Acanthaceae	Suu'da	Leaves	Over-sweating, fever and Madness
149	Kalanchoe marmorata	Crassulaceae	Saniaco	Leaves	Cold, Intestinal parasites and Burns
149	Kigelia africana	Bignoniaceae	Mederba	Fruits	Purgative, Dysentery and Spider disease
		-			
151	Kniphofia isoetifolia	Asphodolaceae	Shiguerti z'bie	Bulb	Antibiotics, Evil eyes and Abscess
152	Lannea fructicosa	Anacardiaceae	D'gdgna	Leaves and Stems	Sun-strike, Evil-eye and Retain placenta
153	Lantana camara	Verbenaceae	Bun-tilian	Leaves and Stems	Purgative, Tonic and Stimulant
154	Lawsonia inermis	Lythracea	Elam/Hina	Leaves	Arthritis, Choilynichitis and Abscess
155	Leonotis ocimifolia	Lamiaceae	Leonotis	Leaves	Intestinal worms, Bloating and Menstruation
156	Lepidium sativum	Brassicaceae	Shnfa'e	Leaves	TB, Hepatitis, Amoeba and Taenia capitis
157	Leucas abyssinica	Lamiaceae	Tseada kurneaa	Leaves	Endo parasites and Cold
158	Leucas martinensis	Lamiaceae	Teketater	Leaves	Cough, Gastritis and Arthritis.
159	Linum usitatissimun	Linaceae	Entatie	Seeds	Limb inflammation and Abdominal pain
160	Lycopersicum esculentum	Solanaceae	Komedere	Fruits	Inflammation of nails and Gastritis
161	Malus domestica	Rosaceae	Tufah	Fruits	Constipation and digestive problem
162	Mangifera indica	Anacardiaceae	Mangus	Leaves	Bronchitis, Diabetes and Fever
163	Matricoria chamomile	Asteraceae	Chamamiella	All parts	Could, Skin inflammation and Hemorrhoids
164	Maytenus arbuitofolia	Celesteraceae	Ateate	Barks	Eye problems and Head ache
165	Maytenus senegalensis	Celesteraceae	Argudi	Barks	Arthritis and Eye problems
	Melia azadirachta	Meliaceae	Melia	Fruits	Fungal diseases and Hemorrhoids

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167	Mentha piperita	Lamiaceae	Nae-nae	All parts	Hypertension and Dandruff
168	Meriandra dianthera	Lamiaceae	Nehba	Leaves	Hypertension, Diabetes and Emetics
169	Mimusops kummel	Sapotaceae	Kummel	Fruits	Asthma, Cough and Bladder infection
170	Mimusops schimperi	Sapotaceae	Lullae	Leaves	Gerefta and Evil eyes
171	Moringa oleifera	Moringaceae	Moringa	Leaves	Anemia, Diarrhea and Rheumatism
172	Musa sapientum	Musaceae	Banana	Fruits	Constipation and digestion disorder
173	Nepeta azurea	Lamiaceae	Aba-arha	Leaves	Head ache and Sun strike
174	Nicandra physaloides	Solanaceae	Mezerbae-telian	Leaves and Latex	Tooth-ache and Cough
175	Nicotiana glauca	Solanaceae	Ashea-gereb	Leaves and Latex	Antibiotic and Gerefta
176	Nicotiana tabacum	Solanaceae	Tembako	Leaves	Tooth-ache, Insects and Snake bite
177	Nigella sativa	Ranunculaceae	Abosuda	Stems	Digestion prob and Bronchial prob.
178	Nuxia congesta	Loganiaceae	Kentebera	Stems	Abscess and Myalgia
179	Ocimum basilicum	Lamiaceae	Seseg	Leaves	Head ache, Hypertension and Vomiting
180	Ocimum forskolei	Lamiaceae	Chomer	All parts	Cough, Malaria and Hear disease
181	Olea europeana / cuspidata	Oleaceae	Awliee	Stems	Ring warm, Dandruff
182	Opuntia ficus-indica	Cactaceae	Beles	Fruits	Diuretic, Abscess and wounds
183	Ormocarpum pubescens	Fabaceae	Alendia	Barks	Anti-inflammatory, Wound infection
184	Osyris quadrpartita	Santalaceae	Qerets	Leaves	Gastritis and Constipation
185	Otostegia fruticosa	Lamiaceae	Feshadima	Leaves	Tonsillitis, Arthritis and Endo parasites
186	Otostegia integrifolia	Lamiaceae	Chendog	Leaves	Uvulitis, Abdominal-pain and Tonsillitis
187	Ozoroa insignis	Anacardiaceae	Zanzai	Barks	Insect and Fungal repellant
188	Pappea capensis	Sapindaceae	Tish-bealalito	Leaves	Gynecological problem and Arthritis
189	Parkinsonia aculeata	Fabaceae	Shewit hagai	Barks	Eczema and Abdominal-pain
190	Passiflora molissima	Passifloraceae	Passion-fruit	Leaves	Head ache, Asthma and Rheumatism
191	Pavetta gardenifolia	Rubiaceae	Mugtot	Leaves	Cancer, Evil spirit and Diarrhea
192	Petrolobium stellatusm	Fabaceae	Qentefetefe	Leaves	Eye infection and Ear infection
193	Phoenix dactylifera	Arecaceae	Temri	Fruits	Diarrhea, Constipation and Burn
194	Phytolacca dodecandra	Phytolaccaceae	Shibtti	Leaves	Urination, Gastritis and TB
195	Piliostigma thonningii	Fabaceae	Amam-gemel	Leaves	Infectious dermatitis
196	Plantago zeylancia	Plantaginaceae		Leaves	Ring warm and Antibiotics
197	Plumbago zeylanica	Plumbaginaceae	Aftuh	Roots	Rheumatism, Evil eye and Snake venom
198	Podocarpes latifolius	Podocarpaceae	Zgbba	Leaves	Asthma and Respiratory problems
198	Pittosporium viridifolium	Pittosporaceae		Leaves	Choilynichitis and Tonsillitis
200		•	Harag baita		
	Pollichia campestris	Carryophyllaceae	Hareg baita	Roots	Snake bite, Tonsillitis and Eye disease
201 202	Prosopis juliflora	Fabaceae	Temer musa	Pods	Lactation and Digestion disturbance
	Prunus persica	Rosaceae	K'uuk	Leaves and Barks	Tonsillitis and Constipation
203	Psiadia punctulata	Asteraceae	Allakhit	All parts	Abdominal helminthes and Amoeba
204	Psiduim guajava	Myrtaceae	Zeytun	Fruits	Dysentery and Digestion problem
205	Psydrax schimperiana	Rubiaceae	Zahak	All parts	Anti-Insect and Anti- fungal
206	Rhamnus prinoides	Rhamnaceae	Geso	Leaves	Dandruff, Hepatitis, Tonsillitis and Uvulitis
207	Rhamnus staddo	Rhamnaceae	Tsedo	Leaves	Uvulitis and Dandruff
208	Rhus glutinosa	Anacardiaceae	Amoss	Leaves	Ectoparasites and Scabies
209	Rhus retinorrhoea	Anacardiaceae	Teateale	Leaves	Scabies and diarrhea
210	Rhus natalensis	Anacardiaceae	Teateale	Leaves	Vomiting and diarrhea
211	Rhus retinorrhoea	Anacardiaceae	Teateale	Leaves	Vomiting and diarrhea
212	Ricinus communis	Euphorbiaceae	Guulei	Leaves	Termite repellants and Fungal problems
213	Rosa abyssinica	Rosaceae	Qolo-dashem	Leaves and Barks	Tape warm and Round worm expectorants
214	Rosmarinus officinalis	Lamiaceae	Azmarino	All parts	Hypertension and Diabetes
215	Rumex nervosus	Polygonaceae	Hihhot	Leaves	Itching, Eczema and Infected wounds.
216	Rumex abyssinica	Polygonaceae	Moq-moqo	All parts	Anti-cancer, anti-biotic and Diuretic
217	Ruta chalepnesis	Rutaceae	Chena adam	Leaves	Coughing and Cold
218	Sageretia thea	Rhamnaceae	Hamat tsedo	Leaves	Tonsillitis and Antibiotics
219	Salvadora persica	Salvadoraceae	Adai	Stems	Colds, Stomach disorders and Purgative
220	Salvia schimperii	Lamiaceae	Aba-Hadera	Leaves	Gastritis, Malaria and Hypertension
	Schinus molle	Anacardiaceae	Berbere tselim	Leaves	Diarrhea, Abdominal pain and Cold
221	Schinus mone	Anacarulaceae	Derbere toenn		Blairfied, / Baofinnar pairr and Cola

223	Senna alexandrina	Fabaceae	Senno	Leaves	Hepatitis, Hepatomegaly and Splenomegaly
224	Senna singueana	Fabaceae	Hambo-hambo	Barks	Vomiting and loss of appetite
225	Sida schimperiana	Malvaceae	Tefraria	Roots	Eczema and Urination, Tooth cleanness
226	, Solanum incanium	Solanaceae	Uengule	Leaves	Loss of hair and Nose bleeding
227	Solanum nigrum	Solanaceae	Mear-mexu	Latex	Snake, Scorpion venom and Cancer
228	Solanum shcimperianum	Solanaceae	Qeranot	Leaves	Scabies and Evil eyes
229	Solanum tuberosum	Solanaceae	Dnesh	Tuber	Eye-cleaning, Hepatitis and Burns
230	Sorghum bicolor	Poaceae	Mashela	Seeds	Diarrhea, Sprain and Nerve Problems
231	Steganotaenia araliaceae	Apiaceae	Ander guhila	Leaves and Stems	Snake and Scorpion venom and Gastritis
232	Stereospermum kunthianum	Bignoniaceae	Argizana	Leaves	Stabbing Pain, Abdominal pain
233	Syzygium guineens	Myrtaceae	Lehham	Leaves	Cough and Bronchitis
234	Tagetes minuta	Asteraceae	Tagetes minuta	Roots and Leaves	Diarrhea and Insecticide
235	Tamarindus indica	Fabaceae	Homer	Fruits	Cold, Malaria, Purgative and Emetic
236	Tamarix aphylla	Tamaricaceae	Ubel	Leaves	Colds and Stomach disorders
237	Teclea nobilis	Rutaceae	Suluh	Barks	Purgatives and Cough
238	Tragia pungent	Euphorbiaceae	Amea	Barks	Fingers inflammation and Insect bites
239	Trichilia emetica	Meliaceae	Gumeh		Insecticides and Used in soap Manufacturing
240	Terminalia brownii	Combreataceae	Weiba	Barks	Hepatitis, Purgative and Dandruff
241	Trigonella foenum-graecum	Fabaceae	Abaake	Seeds	Hypertension, Diabetes and Asthma
242	Vangueria madagascariensis	Rubiaceae	Harnkeren	Roots	Intestinal warm and Purgative
243	Verbascum sinaiticum	Scrophulariaceae	Zengi-adgii	Leaves	Gerefta, Sun strike and Hypertension
244	Vernonia amygdalina	Asteraceae	Grawa	Leaves	Head ache, Heart frailer and Allergies
245	Vernonia schimperi	Asteraceae	Sgemo	Leaves	Ear ache, Eczema, Pruritic and Sprain
246	Vicia faba	Fabaceae	Baldengua	Seeds	Skin burns and digestion disorder
247	Vitis viniferia	Vitaceae	Weini	Fruits	Cold and Loss of appetite
248	Withania somnifera	Solanaceae	Solanaceae	Leaves	Antibiotics, Gonfii, Sprain and Arthritis
249	Xanthium strumarium	Asteraceae	Bano	Leaves	Abdominal helminthes
250	Ximenia americana	Olacaceae	Me'lleo	Leaves	Tonsillitis and Anti biotic
251	Zea mays	Poaceae	Uefun	Seeds	Kidney problem, and Diuretic
252	Zehneria scabra	Cucurbitaceae	Hareg-ressa	Seeds	Tapeworm expectorant and Gerefta
253	Zingiber officinale	Zingeberaceae	Jenjebel	Seeds and Fruits	Rheumatism, Asthma and Menstruation
254	Ziziphus abyssinica	Rhamnaceae	Gaba adgii	Leaves	Dandruff and Cough
255	Ziziphus mucronata	Rhamnaceae	Gaba harmaz	Leaves	Dandruff and Sauna
256	Ziziphus spina-christi	Rhamnaceae	Gaba	Leaves	Cough and Fungal Migraine

- Medicinal properties of the plant species used should be properly known to the people and given wide publicity.
- Skill of traditional medicine practitioners have to be encouraged and protected from the wrong perception that leads an accusation.
- Create awareness to encourage the population in order to conserve the threatened and endangered plant species in their natural habitats and home-gardens.
- Medicinal plant management and conservation must be integrated in other sectors such as in health to foster better use of plant materials and in education to build up

awareness of the need for protection. Government must provide incentives to farmers cultivating of medicinal plants to ensure their conservation issues.

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