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ACKNOWLEDGMENTS

*This publication was produced through the Bio-Xplore project:" **Novel methodology for the Identification of Valuable Natural Products Derived from Mediterranean Flora**" Bio-Xplore I B/1.1/288, which is funded by the European Union through the European Neighborhood and Partnership Instrument (ENPI)and is implemented under the ENPI CBC Mediterranean Sea Basin Programme. The multilateral cross-border cooperation "Mediterranean Sea Basin Programme" is part of the new European Neighbourhood Policy and of its financing instrument (ENPI) for the 2007-2013 period: it includes the European Union and partner countries regions placed along the shores of the Mediterranean Sea and it aims at reinforcing cooperation between the European Union (EU) and partner countries regions placed along the shores of the Mediterranean Sea. For more information about ENPI CBC MED: http://www.enpicbcmed.eu/*

BERC 2014 "NATIONAL LIST OF MEDICINAL PLANTS IN PALESTINE - WEST BANK & GAZA STRIP"

Abstract

A systematic review was carried out in Palestine on studies that contained a list of medicinal plants that were known and/or used in Traditional Arabic Palestinian Herbal Medicine (TAPHM) as part of complementary and alternative medicine (CAM) and that provided a list of the therapeutic indications of the species as well as presenting the scientific names of these species. The resulted inventory (BERC 2014 "National List of Medicinal Plants in Palestine - West Bank and Gaza Strip") comprises 368 plant species with their Latin name, Family name, English name, Arabic name, geographical region, growth form, abundance, blooming time, and the references that cited the plant. This national inventory of medicinal plants is expected to serve as a reference on herbs used in TAPHM.

Introduction

In Palestine, like in many developing countries, medicinal plants play an important role in primary health care and are widely used as complementary and alternative medicine (CAM) in the Traditional Arabic Palestinian Herbal Medicine (TAPHM), for the maintenance of health, and for the treatment of various illnesses including chronic diseases (Ali-Shtayeh et al., 2011, 2012, 2013a). The aim of this study was therefore aimed at developing an updated national inventory of medicinal plants (Ali-Shtayeh & Jamous, 2006, 2008) that will serve as a reference on medicinal plants utilized in TAPHM, their growth form, geographical regions, endemism, abundance, and blooming time.

Methods

The present study was based on a research review, focusing on the results of primary research carried out in Palestine (West Bank and Gaza). The objective is the integration of the results to carefully generalize the findings. Thus, a comprehensive search was conducted of articles from the ethnobotanical literature in Palestine

concerning medicinal plants or general ethnobotanical articles that included medicinal use, among other types of use.

The search used the keywords “Medicinal plants + Palestine”, “Ethnobotany + Palestine”, “Ethnopharmacology + Palestine”, and Palestine + CAM-related keywords (CAM, complementary/alternative/integrative medicine, traditional medicine, ethno-botanical survey, herbs, herbal, nutritional/dietary supplements) in the major data bases and publishers of scientific journals (HINARI, ScienceDirect, Scopus, Scirus and Scielo).The search was performed from Jan 2013 to Feb. 2014. For each paper found, its references were analyzed with the aim of identifying additional studies that were not uncovered using the established search criteria. Even studies that were not available online could be included, since we could find them in the libraries of research institutions and universities. After the articles had been found, they were filtered based on the following inclusion and exclusion criteria.

This systematic review included only studies that contained a list (partial or total) of medicinal plants that were known and/or used in Palestine and that provided a list of the therapeutic indications of the species as well as presenting the scientific names of these species. Only taxa that were identified to species level, and reported by 3 informants or above, were considered. The scientific names of the species were updated using the data base Flora of Israel Online (http://flora.huji.ac.il/browse.asp?; http://ww2.bgbm.org/EuroPlusMed/query.asp), and the list of Palestinian floral species (*Flora Palaestina*, 1966-1986). These same lists served as the basis for classifying species as native or exotic to Palestine and native or exotic species for each ecosystem, or for additional information on the origin of the species and habit classification.

Results

BERC 2014 "NATIONAL LIST OF MEDICINAL PLANTS IN PALESTINE - WEST BANK & GAZA STRIP"*

"القائمة الوطنية للنباتات الطبية في فلسطين: الضفة الفلسطينية وقطاع غزة" بيرك 2014*

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
ADIANTACEAE								**السرخسيات**
Adiantum capillus- veneris L.	Venus Hair	كزبرة البئر، شعر العجوز	JD, HM, NDT, NM, DSA, LJV	H	C	-	-	1, 3, 4
AMARYLLIDACEAE								**النرجسية**
Narcissus tazetta L.	Common Narcissus	نرجس	HM, NM, LJV, NDT	G	C	-	1-3	1
AMARANTHACEAE								**القطيفيات**
Atriplex halimus L.	Shruppy Saltbush, Sea Orache	قطف، رغل، ملاح	JD, HM, DSA, LJV, NM, NDT	S	C	-	4-10	8
Amaranth hypochondriacus L.	The king Grain	حبة العافية	-	-	-	-	-	1
Spinacia oleracea L.	Spinach	سبانخ	-	-	-	-	-	1, 2, 3, 11, 14
ANACARDIACEAE								**البطمية، المانجية**
Anacardium occidentale L.	Cashew	كاشو	-	-	-	-	-	13, 14
Mangifera indica L.	Mango Tree	مانجا	-	-	-	-	-	1, 11, 12
Pistacia lentiscus L.	Lentisk, Mastic Tree	سريس، بطوم، مصطكي	HM, DSA, LJV,NM,NDT	S	RP	-	3-6	1, 3, 8, 11, 14, 15,16
Pistacia palaestina Boiss.	Palestinian Pistachio, Terebinth	بطم فلسطيني	JD, HM, NM, DSA, NDT	T	RP	-	3-6	1, 3, 4, 5, 6, 7, 11, 14, 15
Pistacia vera L.	Pistachio	فستق حلبي	HM, NM	T	C	-	3-6	1
Rhus coriaria L.	Sicilian Sumach	سماق	JD, HM, NM, DSA	T	RP	-	4-5	1, 3,4,7,8, 11,15,16
Rhus tripartita (Ucria) Grande	Syrian Sumach	غيلان، عرن، غلانة	JD, HM, DSA, LJV,NM,NDT	S	RP	-	4-6	1, 3,14
APOCYNACEAE								**الدفلية**
Nerium oleander L.	Oleander	دفلى	JD, HM, NM, LJV, NDT	H	C	-	3-8	1, 3,7,8,11,13
ARACEAE								**اللوفية**
Acorus calamus L.	Calamus	جوزة الشرك، قصب الذريرة	-	-	-	-	-	1
Arum dioscoridis Sibth & Sm	Spotted Arum	لوف فلسطيني	JD, HM, LJV, NDT	G	RP	-	3-5	1,3,14,11
Arum palaestinum Boiss.	Palestine Arum	لوف فلسطيني	JD, HM, NM, LJV, NDT	G	RP	PL	3-5	7, 12,13, 15,16
Eminium spiculatum (Blume) Kuntze	Friar's cowl	صميعة	-	-	-	-	-	12
ASCLEPIADACEAE								**الصقلابيات**
Gymnema sylvestre R. Br.	Gymnema	جيمنينا	-	-	-	-	-	12

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
ASPLENIACEAE								**الطحالية**
Ceterach officinarum DC.	Scaly Spleenwort	غالقة، حشيشة الذهب	JD, HM, DSA, LJV,NM,NDT	H	C	-	-	10
Cynanchum acutum L.	Stranglewort	بندورة الحية	JD, HM, DSA, LJV,NM,NDT	VN	RP	-	6-9	1,3
Phyllitis sagittata (DC.)	Tongue Fern	خنشار، سرخس سهمي	NM	H	RR	-	4-7	1,3
BERBERIDACEAE (LEONTICACEAE)								**الليونتيكية**
Berberis vulgaris L.	Barberry, Pippe Ridges	بربارس	-	S	-	-	-	1,3
BORAGINACEAE								**الكحلية، البوراجية، لسان الثور**
Alkanna orientalisorientales (L.) Boiss.	Yellow Alkanet	هواء جوي الشرق	HM, NDT	H	-	-	4-8	1,3,4
Anchusa aegyptiaca (L.) DC.	Eagyptian Alkanet	حمحم مصري، شبيط	JD, HM, DSA, LJV,NM,NDT	A	CC	-	1-4	7
Anchusa strigosa Banks & Sol.	Pricly Alkanet	لسان الثور، حمحم	JD, HM, NM, LJV, NDT	H	CC	-	3-6	1,3,4,5,6,11
Cordia myxa L.	Sebesten Tree, Assyrian Plum	مخيط	-	A	-	-	-	1
Cynoglossum creticum Mill. *(Cynoglossum pictum* Aiton	Blue Hound's Tongue	عشبة الجرح، لسان الكلب	-	H	-	-	-	10
Pulmonaria saccharata L.	Lungwort	حشيشة الرئة	-	-	-	-	-	1
BROMELIACEAE								**البرماليه**
Ananas sativus Schult. & Schult. F.	Ananas, Pineapple	أناناس	-	-	-	-	-	1,3,11
BURSERACEAE								**البخوريات**
Boswellia carterii Birdw.	Olibanum, Incense	بخور، كندر، لبان ذكر	-	-	-	-	-	11,1,14
Commiphora myrrha (Nees) Engl.	Gum Myrrh Tree	المر، مرة	-	-	-	-	-	11,10,1,12,13
CACTACEAE								**الصباريات**
Opuntia ficus-indica (L.) Mill.	Prickly-Pear	صبر، تين شوكي	HM, NM	H	CC	-	4-8	1,3,4,11,14,16
CAMPANULACEAE								**الجرسية**
Campanula rapunculus L.	Rampion	زهرة الجرس	JD, HM, NM	H	C	-	4-6	4,7
Campanula stellaris Boiss.		زهرة الجرس	JD, HM, NM, DSA, LJV	A	RP	PL	2-5	1, 2
CANNABACEAE								**القنبية**
Humulus lupulus	Hops	عشبة الدينار	-	-	-	-	-	16
CAPPARODACEAE								**الكبارية**
Capparis spinosa L.	Caper Bush, Egyptian Caper	كبار، قبر	JD, HM, NM, GS, DSA, LJV, NDT	S	C	-	3-8	1,3,4,5,6, 7,8,11,15,16

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
CAPRIFOLIACEAE								**الخمانية**
Lonicera etrusca Santi	Italian Honeysuckle	زهر العسل، سلطان الجبل	JD, HM, NM, DSA, NDT	VN	C	-	4,5	7
Sambucus nigra L.	Black-Berried Elder, Common Elder	بيلسان	HM	S	RR	-	5,6	1,3,11
CARICACEAE (PAPAIACEAE)								**البابايا وات**
Carica papaya L.	Papaw	باباظ، بابايا	-	-	-	-	-	
CARYOPHYLLACEAE								**القرنفليات**
Cerastium glomeratum Thuill.	Mouse-Ear, Chickweed	قرنية	-	-	-	-	-	11,16
Dianthus strictus Banks & Sol.	Wild Pink	قرنفل بري	JD, HM, DSA, LJV,NM,NDT	H	C	-	4-10	1, 3,11,14
Herniaria hirsuta L.	Hairy Rupture Wart	أم لبيدة	JD, HM, NM, DSA, LJV,	A	C	-	3,4	3
Paronychia argentea Lam.	Silvery Whitlow- Wart	رجل الحمامة، ماسة، فضية	JD,HM,DSA, LJV,NM,NDT	C	CC	-	1-4	1,3,4,6,7,11,12,13, 14,15,16,17
Sclerocephalus arabicus Boiss.	Barra	ضريسة، دميان، ثريزة	JD,DSA, LJV	A	RP	-	2-5	3
Silene vulgaris (Moench) Garke	Rattlebox	فقيع، طقيق، خشخيش	JD, HM, NM	H	RP	-	3-7	7
Stellaria media (L.) Vill.	Chickweed, Stitchwort	قزازة	JD, HM, NM, NDT	A	CC	-	1-4	1,3,11
CELASTRACEAE								**القاتيات، الحرابيات**
Catha edulis (Vahl) Forssk. Ex Endl.	Khat	قات	-	-	-	-		1
CHENOPODIACEAE								**الرمرامية، العجرمية**
Beta vulgaris L.	Suger Beet	شمندر	JD, HM, DSA, LJV,NM,NDT	A	C	-	3-7	1,11,16
COMBRETACEAE								**العسميات**
Terminalia chebula Retz.	Chebulic Myrobalan	هند شعيرة، شعير هندي	-	-	-	-	-	1,2,11
COMPOSITAE (ASTERACEAE)								**المركبة**
Inula conyza DC.	Ploughman's spikenard	برنوف	-	-	-	-	-	1
Solidago virgaurea L.	Goldenrod, woundwort	عصا الذهب	-	-	-	-	-	1
Sonchus oleraceus L .	Common sawthistle	جعضيض	-	-	-	-	-	1
Tragopogon coelesyriacus Boiss.	Long-beaked goat's beard	ذنيبة الفرس	-	-	-	-	-	12
Achillea biebersteinii Afan.	Yellow Milfoil	أخيليا، زقزقة العصفور	HM, NM	H	R	-	3,4	10,7
Achillea fragrantissima Forssk.	Yarrow	بعيثران، قيصوم، أخيليا	JD, HM, NM, DSA, LJV	C	CC	-	3-12	1,3,4,11,12,16
Achillea ptarmica L.	Sneezewort, Sneezeweed	زعوط، عود العطاس	-	-	-	-	-	11
Anthemis palaestina Reuter	Chamomile, Daisy	أقحوان فلسطيني	JD, HM, DSA, LJV,NM,NDT	A	CC	P S T	3-6	1,3,4,15

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Anthemis tinctoria L.	Dyer's Chamomile	أقحوان أصفر، بهار الصباغين	HM, NM	H	RP	-	4-6	4,7,11
Arctium Iappa L.	Greater Burdock	أرقطيون						2
Arnica montana L.	Arnica	زهرة العطاس	-	F	-	-	-	1
Artemisia absinthium L.	Absinth, Common Wormwood	شيبة النبي، أفسنتين	-	C	-	-	-	1,11
Artemisia arborescens L.	Shrubby Wormwood	شيبة	HM	C	RR	-	4-10	3
Artemisia inculata Delile (= *A. herba-alba* Asso)	White Wormwood	شيح	JD, HM, DSA, LJV,NM,NDT	C	CC	-	-	1,2,3,4,11, 12,14,16
Carlina hispanica Lam.	Corymbed Carline Thistle	زند العبد	JD, HM, NM, LJV, NDT	H	CC	-	7-9	1
Carthamus tinctorius L.	Safflower	عصفر	-	A	C	-	5,6	1,2,3,4,11,14
Centaurea cyanoides Berggren et Wahlenb.	Syrian Cornflower	شبة، قنطريون عنبري	HM, NM, LJV, NDT	A	C	P S L	3-5	1
Centaurea dumulosa Boiss	Shrubby Centaury	مرار		A	-			1,2,3,4,11,12,13, 15
Chrysanthemum coronarium L.	Corn Marigold, Common Chrysanthemum	بسباس، أقحوان ذهبي	JD, HM, DSA, LJV,NM,NDT	A	CC		3-5	1,3,7,13,14, 15,16
Cichorium pumilum Jacq.	Dwarf Chicory	هندباء، علت	JD, HM, DSA, LJV,NM,NDT	A	CC		4-6	1,2,3,4,7,11,12,1 3,15
Cynara scolymus L.	Artichoke	أرضي شوكي	-	VN	-	-	-	1,11,16
Dittrichia viscosa (L.) W. Greuter (*Inula viscosa* (L.) Ait.)	Inula	عرق الطيون	JD, HM, DSA, LJV,NM,NDT	C	CC		7-12	1,3,4,5,6, 7,8,11,14
Echinops adenocaulos Boiss.	Common Globe-Thistle	ارث شائع، خشير	JD, HM, NM, LJV, NDT	H	CC		6,7	7
Gundelia tournefortii L.	Gundelia	عكوب، كعوب	JD, HM, NM, LJV, NDT	H	C		3-5	7,11,12,15,16
Helianthus annuus L.	Sunflower, Yellow	عباد الشمس	-	A	-	-	-	1,2,11,16
Lactuca orientalis Boiss.	Oriental Lettuce	خس شرقي، خيص	JD, HM, NM	C	RP		8-9	7
Lactuca saligna L.	Willow Leaf Lettuce	خس بري	-	-	-	-	-	12,15
Lactuca sativa L.	Lettuce	خس	-	C	-	-	-	1,2,11,12,13,14
Lactuca scariola L. (*Lactuca serriola* L.)	Prickly Lettuce, Milk Thistle	خس الزيت، خس الحمار	JD, HM, NM, LJV,NDT, GS	A	CC		7-10	4,14
Matricaria aurea (L.) Sch. Bip.	Golden Cotula	بابونج	JD, HM, GS, NM,DSA,LJV	A	C		2-5	1,2,3,4,11, 12, 13, 14,15,16
Notobasis syriaca (L.) Cass.	Syrian Thistle	خرفيش عادي	JD, HM, DSA, LJV,NM,NDT	A	CC		3-5	7,15,16
Phagnalon rupestre (L.) DC.	African Fleabane, Rock Phagnalon	قدحة، قديح، صوفان	JD, HM, NM, GS, DSA, LJV, NDT	C	C		3-6	1,3,4,5,6, 7,11,13,14,16
Pseudognaphalium luteo-album (L.) Hilliard & B.L.	Cud Weed	قطنية	NM, LJV	A	RR		3-6	1
Scolymus maculatus L.	Spotted Golden-Thistle	سنارية مبقعة، شوكة الفار	JD, HM, NM, LJV, NDT	A	CC		3-8	7

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Silybum marianum (L.) Gaertn	Holy Thistle, Milky Thistle	خرفيش الجمال، سنارية	JD, HM, DSA, LJV,NM,NDT	A	CC		3-5	1,11,15
Varthemia iphionoides Boiss & Blanche (*Chiliadenus iphionoides* (Boiss.& Blanche) Brullo)	Common Verthemia	كتيلة، صفيرة	JD,HM,NM,NDT,DSA		CC		9-11	1,2
CONVOLVULACEAE								**العلاقية**
Convolvulus althaeoides L.	Bind Weed	مديدة	JD, HM, NM, NDT	H	C		3-6	2,3
Convolvulus arvensis L.	Bind Weed	مداد أبيض	JD, HM, NM, LJV, NDT	A	CC		3-11	7,16
Ipomoea batatas (L.) Lam.	Sweet Potato	بطاطا حلوة	-	-	-	-	-	12
CORYLACEAE								**البندقية**
Corylus avellana L.	Hazel Nut	بندق	-	C	-	-	-	1,11,104
CRASSULACEAE								**المخلدات**
Sedum microcarpum (Sm.) Schnol.	Sedum	حي العلم، زيبب العبد	JD, HM, NM, LJV, NDT	A	C	-	1-4	1,3
Umbilicus intermedius Boiss.	Wall Penny Wart	عصا الراعي	JD, HM, DSA, LJV,NM,NDT	H	C	-	3-5	1,3,11
CRUCIFERAE (BRASSICACEAE)								**الصليبية**
Armoracia rusticana G.Gaertn., B.Mey. & Scherb	Horesradish	فجل الخيل	-	F	-	-	-	1
Brassica oleracea L.	Broccoli	قرنبيط أخضر	-	-	-	-	-	13,16
Brassica oleracea var capitata L.	Wild Cabbage	ملفوف	-	-	-	-	-	1, 3,11,12,13,14
Brassica oleracea var. botrytis L.	Cauliflower	قرنبيط	-	-	-	-	-	1,11,12,13,14
Brassica rapa L. *var. rapa*	Turnip	لفت	-	-	-	-	-	1, 3,11
Capsella bursa-pastoris (L.)DC.	Mother's Heart	جراب الراعي	-	-	-	-	-	1,2
Cardaria draba (L.) Desv.	Heart-Podded Hoary Cress	قنيبرة	JD, HM, NM, LJV	H	CC	-	3-4	7,16
Eruca sativa Miller	Garden Rocket	جرجير	JD, HM, DSA, LJV,NM,NDT	A	C	-	2-4	1,3,4,7,11, 12, 13,14,15,16,17
Lepidium sativum L.	Cress	رشاد	HM, LJV	A	R	-	3,4	1, 3,11,12, 13,14,15
Nasturtium officinale R. Br.	True Water-Cress	قرة العين، قرة	JD, HM, NM, LJV, NDT	G	C	-	2-9	1
Raphanus niger Mill.	Black Radish	فجل أسود	-	A		-	-	1
Raphanus sativum L.	Radish	فجل	-	-	-	-	-	1, 3,4,11, 13,14,16
Sinapis alba L.	White Mustard	خردل أبيض، خردل بري	JD, HM, DSA, LJV,NM,NDT	A	CC	-	2-5	7,11,12
Sinapis arvensis L.	Wild Mustard	خردل بري، لفيتة، شلوة	JD, HM, NM, LJV, NDT	A	CC	-	2-5	1,3,13,15,16,17
CUCURBITACEAE								**القرعية**
Citrullus colocynthis (L.) Schrader	Colocynth	حنظل، العلقم، التفاح المر	JD, HM, DSA, LJV	H	C	-	5-8	1, 3,4,11, 12,13,14
Citrullus lanatus (Thunb.) Matsun & Nakai	Watermelon	بطيخ	-	H	-	-	-	1, 3,11,12,14,16

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Cucumis melo- chat	Egyptian Cucumber	فقوس	-	-	-	-	-	1,13
Cucumis melo L.	Melon	شمام	-	-	-	-	-	1,12,16
Cucumis sativus L.	Cucumber	خيار	-	-	-	-	-	1,11,14,16
Cucurbita pepo L.	Pumpkin	قرع	-	-	-	-	-	1, 3,4,11, 12,13,14
Cucurbita pepo L. *var. melpepo*	Vegetable Marrow	يقطين	-	-	-	-	-	1,12,13
Cucurbita pepo L. *convar. giromontiina* (L.) Greb. Var. styriaca Greb	Marrow	كوسا	-	-	-	-	-	1,11,12
Diplotaxis erucoides (L.) DC.	white wallrocket	حويرة						12
Ecballium elaterium (L.) A. Richard	Squirting Cucumber	قثاء الحمار	JD, HM, NM, LJV, NDT	F	C	-	4-12	1,3,4,7,11,14
Luffa aegyptiaca P. Mill.	sponge Gourd	ليف						1
CUPRESSACEAE								**السروية**
Cupressus sempervirens L.	Cypress	سرو	HM	T	RR	-	3-5	1, 3,8,11, 12,13,14
Juniperus oxycedrus L.	Prickly Juniper	عرعر	-	T	RR	-	-	1,11
Tetraclinis articulata (Vahl) Masters	Sandarac, Gum Juniber	سندروس	-	T	-	-	-	1,13
Thuja occidentalis L.	Tree Of Life	عفص	-	T	-	-	-	11,1
CYPERACEAE								**السعديات**
Cyperus esculentus L	Yellow Nut Sedge	حب العزيز	-	-	-	-	-	11
DIPSACACEAE								**الفقوعية**
Scabiosa prolifera L	Carmel Daisy	زهرة الجرب، كعب الغزال	JD, HM, NM, LJV, NDT	A	CC	-	3-5	7,10,16
Tamus communis L.	Black Bryony	جرمع	-	-	-	-	-	12
ELAEAGNACEAE								**الخلافيات**
Elaeagnus angustifolia L.	Narrow-Leaved Oleaster	زيزفون	HM	T	RR	-	4-8	1,11,12
EQUISETACEAE								**ذنب الخيل، الكنباثية**
Equisetum arvense L.	Field Horse Tail	كنباث حقول	-	H	-	-	-	1
ERICACEAE								**الخلنجية**
Arbutus andrachne L.	Oriental Strawberry Tree, Arbutus	قيقب، قاتل، قطلب	HM, NM,DSA	T	RP	-	4-5, 10,11	1
EUPHORBIACEAE								**السوسبية**
Euphorbia chamaesyce L.	Crenated Annual Spurge	تين الأرض	HM, NM, LJV	A	C	-	4-9	1,3
Euphorbia helioscopa L.	Wartweed	لبينة						12
Euphorbia hierosolymitana Boiss.	Spurge	حلبلوب	-	-	-	-	-	2,3,4
Euphorbia lathyris L.	Caper Spurge, Mole Plant	حلبلوب	-	A	-	-	1-4	7

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Jatropha curcas L.	Barbados Nut, Peregrina, Spicy Jatropha	حبة المماليك	-	S	-	-		1,3
Ricinus communis L.	Castor Beans	خروع	JD, HM, NM, NDT, GS	T	RP	-	3-11	1, 3,4,7,8, 11,13,14,16
FAGACEAE								**البلوطية**
Quercus calliprinos L.	Kermes Oak	سنديان، بلوط	JD, HM, NM, DSA, NDT	T	CC	-	3-5	1,3,4,7,8,12, 13,14,15,16
Castanea vulgaris Lam.	Chestnut	كستناء	-	T	-	-	-	1
GERANIACEAE								**العطرية**
Geranium purpureum (*G. robertianum*)	Purple Crane's-Bill	ابرة الراعي الارجوانية	JD, HM, NM, LJV	A	C	-	-	7
Pelargonium odoratissimum (L.) L'Her	Geranium	عطرية	-	H	-	-	-	1,11,12
GRAMINEAE (POACEAE)								**النجيلية**
Aegilops kotschyi Boiss.	Desert Goatgrass	جاوي	JD, HM, LJV, NDT	A	C	-	3-5	1,3
Arundo donax L.	Giant Reed	بوص فارسي، قصيب	JD,HM,NM,DSA,LJV,NDT	H	C	-	6-12	7
Avena sativa L.	Oats	شوفان	-	-	-	-	-	1,11,13
Cynodon dactylon (L.) Pers.	Bermuda Grass	نجيل	JD,HM,NM, GS, DSA, LJV, NDT	H	CC	-	1-12	1,3,11
Hordeum vulgare L.	Barley	شعير	-	-	-	-	-	1,11,12,13,14,16
Lolium temulentum L.	Bearded Darnel, Darnel	زوان، دنقة، دوسر	JD, HM, NM, LJV	A	RP	-	3-6	9
Oryza sativa L.	Rice	أرز	-	-	-	-	-	11
Piptatherum miliaceum (L.) Coss.	Many-Flowered Millet Grass	سنام مكانس، مكنسة بري	JD, HM, DSA, LJV,NM,NDT	H	CC	-	2-7	1
Saccharum officinarum L.	Suger –Cane	قصب سكر	-	C	-	-	-	1
Triticum aestivum L.	Wheat	قمح	-	A	-	-	-	1, 3,11,12, 13,14,16
Zea mays L.	Zea, Corn	ذرة	-	VN	-	-	-	1, 3,4,11, 12,13,14
GROSSULARIACEAE (RIBESIACEAE)								**الكشمشيات**
Ribes nigrum L.	Blackcurrant	كشمش أسود	-	S	-	-	-	1
HYPERICACEAE								**الهايبركية**
Hypericum languinosum Lam.	Downy St. John's-Wort	عشبة الجرح، ورق العرور	HM, NM, NDT	C	C	-	4-6	1,11,13,14
IRIDACEAE								**السوسنية**
Crocus hyemalis Boiss. & Bl.	White Crocus	بزيزة، شحيم	-	-	-	-	-	12
Crocus sativus L.	Saffron	زعفران	-	T	-	-	-	1, 3,4,11, 12,13,14,15
JUGLANDACEAE								**الجوزيات**
Juglans regia L.	Wallnut	جوز بلدي	HM	T	RP	-	-	1, 3, 4, 5, 6, 7,11,12, 14,16

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
LABIATAE (LAMIACEAE)								**الشفوية**
Ajuga orientalis L.	Eastern Bugle	عشبه الدم الشرقية	HM, NM	H	RP	-	4	3,4,7
Calamintha incana (Sm.) Helder	Grey Calaminth	زعتر سيدنا موسى	JD, HM, NM	C	R	-	5-10	3,11
Coridothymus capitatus (L.) Reichb.	Capitate Thyme	زعتر فارسي، زحيف	JD,HM,DSA, NM,LJV,ND	C	CC	-	5-10	1,3,4,7,11, 12,13,15,16,17
Eremostachys laciniata (L.) Bunge	Desert-Rod	حزنبل	JD, HM, NM, LJV, NDT	H	RP	-	2-4	1,3
Hyssopus officinalis L.	Hyssop	زوفا، أشنان داود	-	C		-	6-8	9
Lamium moschatum Miller	Musky Archangel	فم السمكة المسكي ،برج الحمام	JD, HM, NM, NDT	A	RP	-	1-5	7
Lavandula officinalis Chaix & Kitt	Lavender	خزامى، لافندر	-	C	-	-	-	1,11
Majorana syriaca (L.) Rafin.	Wild Thyme, Mother of Thyme	زعتر بري، صعتر، سعتر	JD, HM, DSA, LJV,NM,NDT	C	CC	-	-	1, 3,7,11,12, 13,14,15,16,17
Mellissa officinalis L.	Balm	مليسا، ترنجان	HM, NM, LJV, NDT	H	C	-	5-9	1,11,14
Mentha aquatica L.	Water Mint	نعنع الماء	NN, SWB	H	RP	-	6-11	1
Mentha longifolia (L.) Hudson	Horse Mint	نعنع بري	JD, HM, DSA, LJV,NM,NDT	H	C	-	6-10	1,3,11,12,13,15
Mentha spicata L.	Peppermint	نعنع بستاني	-	H	-	-	-	1, 3,4,11, 12,14,13,16,17
Micromeria fruticosa (L.) Druce	Thyme	زعتر بلاط، زوفا بيضاء	JD, HM, NM, DSA	C	RP	-	2-6	1,3,4,7,11, 12, 13, 14,15,16
Micromeria nervosa (Desf.) Benth.	Thyme	زعتر ناعم، زعتر عراق	JD, HM, NM, LJV, NDT	C	C	-	2-5	1,3,4,5,6,7,11,14
Ocimum basilicum L.	Basil, Sweet Basil	حبق، حماحيم الريحان	-	A	-	-	-	1
Origanum majorana L.	Sweet Marjoram	مردقوش، زوباع	-	C	-	-	-	1,11,13,15,16
Phlomis viscosa Poiret	Syria Phlomis	ركاب الجمل، ميرمية حمير	JD,HM,NM,DSA, LJV,NDT	S	C	-	3-6	7
Rosmarinus officinalis L.	Rosemary	حصلبان، إكليل الجبل	HM	C	-	-	-	1, 3,7,11, 12,13,14,16
Salvia fruticosa Mill.	White Sage, Common Sage	مريمية	JD, HM, NM, DSA, NDT	C	CC	-	3-6	1, 3,4,5,6,7,8, 11,12,13, 14,15,16,17
Salvia hierosolymitana Boiss.	Jerusalem Sage	لسينة	JD, HM, NM, NDT	H	C	P S L	3-6	1,7,11,15,17
Salvia officinalis L.	Common Sage	ناعمة مزنية	-	H	-	-		1
Salvia Sclarea L.	Clary	قصعين	-	H	RR	-		1
Satureja thymbra L.	Summer Savory	ندغ البساتين	JD, HM, NM, NDT	C	CC	-	3-5	3,4,7,16,17
Teucrium capitatum L. (*Teucrium polium* L.)	Cat Thyme	جعدة الصبيان	JD,HM,NDTNM,DSA,LJV	C	CC	-	2-8	1,3,4,11,12, 13,14,15,16
Teucrium chamaedrys L.	Germander	جعدة ، كمندرا	-	C	-	-	-	10
Thymbra spicata L.	Spiked Thymbra	زعتر سبلة	JD, HM, NM	C	RP	-	4,5-7	3

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
LAURACEAE								**الغارية**
Persea americana Mill.	Avocado	افوكادو	-	-	-	-	-	1,3,4,7,11
Laurus nobilis L.	Laurel, Sweet Bay	غار	HM, NM	T	RP	-	3-5	1, 3,4,8,11, 12,13, 14,15
Cinnamomum zeylanicum Blume.	Cinnamom Tree	قرفة	-	-	-	-	-	1,11,12,13,14,16
LEGUMINOSAE (FABACEAE, APILIONACEAE)								**البقولية**
Alhagi maurorum Medik.	Alhagi Manna	شرش العاقول، عاقول	JD, HM, NM, DSA, LJV, NDT, GS	H	C	-	4-12	1,3,4,11,14
Arachis hypogea L.	Ground-Nut	فستق	-	-	-	-	-	14,1,11
Cajanus cajan (L.) Millsp	Cajan Pea	بسلة		C				3
Calycotome villosa (Poiret.) Link.	Spiny Broom	قندول	JD, HM, NM, DSA, LJV, NDT, GS	S	CC		1-3	1,4,7
Cassia senna L.	Senna	سنمكة، عشرق	-	-	-	-	-	1, 3,11,13, 14,15,16
Ceratonia siliqua L.	Carob	خروب	JD, HM, NM, DSA, NDT	T	RP		8-11	1,3,4,7,8,11,12,13, 14, 15,16,17
Cicer arietinum L.	Chick Pea	حمص						11,1,12,14,16,17
Glycine max	Soybean	فول الصويا						16
Glycyrrhiza glabra L.	Liquorice	عرق السوس	LJV	H	RP	-	5-9	1,11
Lens culinaris Medikus	Lentils	عدس						1,3,11,14
Lupinus albus L.	Lupine	ترمس		A			2-4	1,3,11,12, 13,14,16
Lupinus pilosus L. (*Lupinus varius* L.)	Lupins	ترمس أزرق، جول بري	HM, NM, LJV, NDT	A	RP		2-5	4,16
Medicago sativa L.	Alfafa	برسيم						12
Melilotus officinalis (L.) Pall.	Sweet Glover	حندقوق شائع		A				1,11
Ononis spinosa L.	Gammock, Resthorrow	شبرق ،شبرج	JD, HM, DSA, LJV,NM,NDT	H	C		4-10	7
Phaseolus vulgaris L.	Common Bean	فاصولياء		C				1,11,12
Pisum sativum L. subsp. *elatius* (Bieb.) Ascher. & Graeb.	Pea	بازيلاء	JD, HM, NM, LJV	T	C			1,3
Tamarindus indica L.	Tamarin	تمر هندي		A				1,11,16
Trifolium alexandrinum L.	Egyptian Clover	برسيم، قرطة	HM, NM	A	RP		4,5	1,3,16
Trigonella berythea Boiss. & Blanche (T. foenum-graecum L.)	Fenugreek Seed, Beiruth Fenugreek	حلبة	JD, HM, NM	A	RP	PST	3,4	1,3,4,7,11,12,13, 14,15,16,17
Vicia ervilia (L.) Willd.	Lentil Vetch	كرسنة						11
Vicia faba L.	Broadbean	فول		H				1,3,4,7, 11,12,14,17
Vigna sinensis L.	Cowpea, Black-Eyed Pea	لوبياء						1
LILIACEAE								**الزنبقية**
Allium ampeloprasum L	Wild Leek	كراث	-	-	-	-	-	11

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Allium cepa L.	Onions	بصل	-	-	-	-	-	1,3,4,11, 12,13,14,16
Allium desertorum Forssk.	Modest Garlic	ثوم الحيايا، ثوم الحنش	JD,DSA, LJV	G	RP		3-5	1,11,12
Allium erdelii Zucc.	Wild Garlic	ثوم شفاف، ثوم أردل	JD, HM, LJV, NDT	G	RP		2-4	7
Allium sativum L.	Garlic	ثوم	-	-	-	-	-	1,3,4,7,11,13,14, 16,17
Aloe vera (L.) Burm.f.	Aloe	صبرة مرة، صبار	-	-	-	-	-	12, 13
Asparagus aphyllus L.	Prickly Asparagus	هليون، عجرم	JD, HM, NM, NDT	VN	C	-	9-11	1,7,11,13,15,16
Asphodeline lutea (L.) Reichenb	Jacob`S Rod, Yellow Asphodel	عطعاط، أبو صوي	JD, HM, NM, NDT	G	C	-	2-5	3,4,5,6,7,15
Asphodelus aestivus Brot. *(Asphodelus microcarpus* Salzm. & Viv)	Common Asphodel	بصول، بصليان، شرش البصلي	JD, HM, DSA, LJV,NM,NDT	G	CC	-	1-4	1,3,6
Colchicum byzantinum Ker Gawl.	Oriental Colchicum, Autumn Crocus	سورنجان	-	G	-	-	-	1
Gagea chlorantha (Bieb.) Schult. fil.	Gagea	زعيتمان، بطيط دمشق	JD, HM, NM, LJV, NDT	G	C	-	1-4	4,13,16
Lilium candidum L.	Madonna Lily	زنبق		G	RR	-		1,3
Ruscus aculeatus L.	Butcher's Broom, Knee Holly	سفندر، عرف الديك، مكنسة الجزار، عجرم	HM, NM	S	RP	-	3-5	4,5,6,7,8,16
Urginea maritima (L.) Baker	Squill	بوصلان، خولصان، غوصلان	JD, HM, DSA, LJV,NM,NDT	G	CC	-	6-11	1,3,4,11,14
LINACEAE								**الكتانية**
Balanites aegyptiaca L.	Zachum Oil Tree	زقوم	JD,DSA, LJV, NDT	T	RP	-	2-7	9
Linum pubescens Banks & Sol.	Pink Flax	كتان زهري	JD,HM,NM,DSA,LJV,NDT	A	C	-	-	1,2,3,4,7, 11,12,13,16,17
LORANTHACEAE								**الدبقية- الغنمية**
Viscum cruciatum Sieber & Bioss	Mistletoe	هدال	HM, NM, NDT	PA	R	-	2-9	1,3,16
Loranthus acaciae Zucc *(Plicosepalus acaciae)*	Acacia Strap Flower	العلمة	JD, NM, DSA, LJV, NDT	PA	ش	-	1-11	1,3
LYTHRACEAE								**الحنائيات**
Lawsonia inermis L.	Henna	حناء، تمر حنة	-	-	-	-	-	1,7,11,14
MALVACEAE								**الخبازية**
Abelmoschus esculentus L.	Okra, Lady's Finger	بامياء	-	-	-	-	-	1,3,11,12,14
Alcea acaulis (Cav.) Alef.	Stemless Hollyhock	ورد الجمال، خبازى برية، خطمية	-	-	-	-	-	11
Alcea setosa (Boiss.) Alef.	Bristly Hollyhock	خف الجمل، ورد الحصان	JD, HM, DSA, LJV,NM,NDT	H	CC	-	4-6	4,7

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Corchorus olitorius L.	Jews Mallow	ملوخية	NM, GS	A	RR	-	5-8	1,11,14
Hibiscus ablemoscnus L.	Musk Mallow, Ab-Elmosch	مسك	-	A	-	-	-	1
Hibiscus sabdariffa L.	Roselle	كركدية، الشاي الأحمر	-	-	-	-	-	1,11,12,13,14,16
Malva sylvestris L	Common Mallow	خبيزة	JD, HM, NM, LJV, NDT	A	RP	-	2-4	1,11,12, 13,14,15,16
MELIACEAE								
Melia azeradach	Azeradach, Neem	زنزلخت	-	-	-	-	-	1
MIMOSACEAE								**السنطيات**
Acacia albida Del.	White Acacia	سنط, طلح أبيض، سمط	HM,DSA, LJV	T	RP	-	3-4,8-9	1
Acacia farnesiana Willd.	Acacia, Sponge Tree	عنبر، فتنة، طلح، سيال	-	-	-	-	-	1,2,3,8
Prosopis farcta (Banks et Sol.) Macbride	Mezquit, Prosopis	ينبوت، غاف	JD,HM,NM,DSA,LJV,NDT	C	RP	-	5-8	1,3,11
MORACEAE								**التوتية**
Ficus carica L.	Fig Tree	تين	JD, HM, NM, DSA,NDT,GS	H	R	-	6-8	1,3,8,11, 12,13,14
Ficus sycomorus L.	Sycamore	جميز	NM, LJV, GS	T	R	-	6-9	1,11,14,16
Morus alba L.	Mulberry	توت	HM	C	C	-	-	1,3,12,`14
Morus nigra L.	Black Mulberry	توت	-	-	-	-	-	1,16
MUSACEAE								**الموزيات**
Musa sapientum L.	Banana	موز		T				1,11,12,13,14,16
MYRISTICACEAE								**الطيبيات**
Myristica fragrans Houtt.	Mace, Nutmeg	جوزة الطيب	-	-	-	-	-	1
MYRTACEAE								**الآسية**
Eucalyptus bicolor (A.) Cunn.	Eucalyptus	كافور	-	-	-	-	-	11
Eucalyptus camaldulensis Dehn.	Red River Gum	كينا، كافور	-	H	CC	-	-	1,2,3,4,8,11,12,13,14
Myrtus communis L.	Common Myrtle	ريحان، آس، مرسين	HM	S	RP	-	1-8	1,3,4,8,11,14,15
Psidium guajava L.	Guava	جوافا	-	A	-	-	-	1,3,11,12, 13,14,16
Syzygium aromaticum	Clove	كبش قرنفل	-	-	-	-	-	12,13,16
NYCTAGINACEAE								**الشبيات**
Bougainvillea glabra Choisy	Bougainvillea, Paper Flower	مجنونة	-	-	-	-	3-5	1
OLEACEAE								**الزيتونية**
Fraxinus syriaca Boiss.	Syrian Ash	دردار سوري	HM	T	RP		2-3	8

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Jasminum fruticans L.	Jasmine	ياسمين بري، ياسمين أصفر	HM,NM,NDT	S	R	-	3-6	1
Olea europaea L.	Olives	زيتون	JD, HM, NM, NDT	T	C	-	5	1,3,4,8,11, 12,13,14,17
Phillyrea latifolia L.	Lance-Leaved Phillyrea	زرود، برزة	HM, NM, NDT	T	RP	-	3-6	1
OROBANCHACEAE								**الهالوكية**
Cistanche tobulosa (Schenk) Wight	Broom Rape	هالوك	-	-	-	-	-	3
OXALIDACEAE								**الحماضية**
Oxalis pes-caprae L	Wood Sorrel	حمصيص	-	-	-	-	-	14,15
PALMAE (ARECACEAE)								**النخيلية**
Cocos nucifera L.	Coconut Palm	جوز الهند	-	VN	-	-	-	1,3,11,13
Phoenix dactylifera L.	Date Palm	نخيل	JD, NM, DSA, LJV,GS	S	RP	-	3-6	1,3,8,11, 12,13,14,16
PAPAVERACEAE								**الخشخاشية**
Papaver umbonatum Boiss. *(Papaver rhoeas* L.)	Common Poppy	خشخاش	JD,HM,NM, GS,DSA,LJV, NDT	A	CC	-	3-4	1,4,7
PASSIFLORACEAE								**الالاميه**
Passiflora incarnata L.	Passion Flower	بسفلور، ورد الساعة	-	C	-	-	-	1,3,12,16
PEDALIACEAE								**السمسمية**
Sesamum indicum L.	Sesame	سمسم	-	A	-	-	-	1,3,11,12, 13,14,16
PINACEAE								**الصنوبرية**
Pinus halepensis Mill.	Aleppo Pine	صنوبر حلبي	HM, NM	T	RP	-	3-5	1,3,4,6,7,8, 11,14,17
Pinus sylvestris L.	Pine Tree, Norway Pine	يرز	-	T	-	-	-	1
PIPERACEAE								**الفلفليات**
Piper nigrum L.	Black Pepper	فلفل	-	-	-	-	-	1,3,11,14
PLANTAGINACEAE								**لسان الحمل، الربلية**
Plantago major L.	Greater Plantain	اذن الجدي، لسان الحمل	JD, NM, NDT	H	R	-	3-10	10, 11, 13
Plantago ovata Forsk	Plantain Seed	أقطوني	JD,HM,DSA, LJV,NM,NDT	A	CC	-	-	10
PLUMBAGINACEAE								**الرصاصية**
Plumbago europaea L.	Khamsheh	خامشة	JD, HM, NM, DSA, NDT	H	RP		6-10	1,3
POACEAE								**النجيلية**
Cymbopogon citratus	Lemongrass	حشيشه الليمون	-	-	-	-	-	13
Triticum graminis	Wheat	قمح	-	-	-	-	-	4

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
POLYGONACEAE								**الحماضية**
Polygonum equisetiforme Sibth. & Sm.	Knotgrass	قضاب، شبطبط	JD, HM, NM, DSA, LJV, NDT, GS	C	CC		2-12	1,3,4,6
Rheum officinale Baill.	Rhubarb	راوند	-	S	-	-	-	1,4,5,6,7,11
Rumex acetosa L.	Sorrel, Garden Sorrel	حميض	-	A	-	-	-	1,11,15
Rumex patientia L.	Patience Dock	سلق بري	-	H	-	-	-	1,11,15
PORTULACACEAE								**الرجلية**
Portulaca oleracea L.	Purslane	بقلة، فرفحينة، رجلة، رجلية	HM, NM, LJV,NDT, GS	C	C		2-9	1,3,7,11,12, 13,14,15
PRIMULACEAE								**الربيعية**
Anagallis arvensis L.	Red Pimperne	عين الجمل	JD, HM, DSA, LJV,NM,NDT	A	CC		3-4	1,3,4,5,6
Cyclamen persicum Miller	Cyclamen	صابونة الراعي، زعمطوط	JD, HM, DSA, LJV,NM,NDT	G	CC		1-4	1,3,4,7,13,15
Prunus armeniaca L.	Apricot	مشمش	-	C	-	-	-	1
PUNICACEAE								**الرمانية**
Punica granatum L.	Pomegrante	رمان، جلنار	-	T	RP	-	5-6	1,3,11,12, 13,14,16
RANUNCULACEAE								**الشقيقية، الحوذانية**
Anemone coronaria L.	Common Anemone	شقائق النعمان	JD, HM, NM, LJV, NDT	G	CC	-	1-3	1,3
Clematis cirrhosa L.	Evergreen Virgin's-Power	غاشية ،عليق	JD, HM, NM, NDT	VN	C	-	1-2	1,3,4,5,6,7,16
Nigella ciliaris DC.	Nigella, Black Cumin	حبة البركة، قزحة	HM, NM, NDT	S	C	-	3-6	1,3,4,11, 12,13,14,16
RESEDACEAE								**الحصادية**
Reseda stenostachya Boiss.	Dead Sea Mignonette	حصادي البحر الميت	JD,DSA, LJV	A	RP	-	1-12	7
RHAMNACEAE								**النبقيه، العنابيه**
Ziziphus sativa Gaetn.	Jujube	عناب	-	-	-	-	-	1,11,12
Ziziphus spina-christi (L.) Willd..	Christ's Thorn Jujube, Nabk	سدر، نبق، دوم	JD, HM, NM, DSA, LJV, NDT, GS	T	RP	-	3-10	1,3,4,5,6,7,8,11, 12,15,16
ROSACEAE								**الوردية**
Agrimonia eupatoria L.	Common Agrimony	عشبة الغافت	-	H	X	-	6	1
Amygdalus communis L.	Almond	لوز	JD, HM, NM, NDT	T	C	-	2-3	1,3,4,11,12, 13,14,15,16
Amygdalus korshinskyi (Hand-Mazzetti) Bornm.	Bitter Almond	لوز مر	JD, HM, NM, NDT	T	C	-	2-3	1,12,13
Aphanes vulgaris (Alchemilla vulgaris L.)	Lion's Foot, Lady's – Mantle	رجل الأسد، كف الأسد	NM, HM	A	R	-	3,4	1,3,11,12,16
Cerasus vulgaris Mill	Cherry	كرز	-	-	-	-	-	1
Crataegus aronia (L.) Bosc. ex DC.	Hawthorn, Azarole	زعرور شائك	JD, HM, NM, DSA, NDT	T	CC	-	3,4	1,3,4,5,7,8,11, 12, 14,15,16,17
Cydonia vulgaris Pers.	Quince- Tree	سفرجل	-	G	-	-	-	1,3,11,16

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
Eriobotrya japonica L.	Medlar Tree	أسكدنيا	-	H	-	-	-	1,3,11,12
Fragaria vesca L.	Strawberry	توت أرضي	-	H	-	-	-	1,11,12
Geum urbanum L	Wood Avens, Herb Bennet	حشيشة مشرفة	-	A	-2	-	5-8	3
Potentilla reptans L.	Creeping Cinquefoil	عشبة القوة	-	H	RR	-	-	1,3
Poterium sanguisorba L.	Lesser Burnet	كزبرة الثعلب	-	H	-	-	-	1
Prunus domestica L.	Plums, Common Plum	برقوق، خوخ	-	T	-	-	-	1,3,11
Prunus mahaleb L. (Cerasus mahaleb)	Mahaleb Cherry	محلب	-	-	-	-	-	1,11,12,14,15
Pyrus communis L.	Peartree	إجاص، كمثرى	-	T	-	-	-	1,3,14,16
Pyrus malus L.	Apple	تفاح	-		-	-	-	1,11,12,13,14,16
Pyrus syriaca Boiss	Syrian Pear	أجاص سوري	JD, HM, NM, NDT	T	RP	-	3-5	1,3,7,8,11,15,17
Rosa Canina L.	Dog Rose	نسرين، ورد بري	HM, NM	S	C	-	5-8	8,11
Rosa centifolia L.	Pale Rose	ورد جوري	-	S	-	-	-	1,11,13,14,17
Rubus sanctus Schreb.	Brandle, Blackberry	عليق	LJV,HM, NM, JD,DSA,NDT	S	C	-	4-9	1,11,12,13,15
Sarcopoterium spinosum (L.) Sp.	Shruppy Barnet	نتش، بلان	JD,HM,NM,DSA,LJV,NDT	C	CC	-	3,4	1,3,4,5,7, 8,11,14,17
RUBIACEAE								**الروبية- اللصيقية**
Coffea Arabica L.	Coffee	قهوة	-	T	-	-	-	1,11,14
Rubia tenuifolia D'Urv.	Narrow-Leaved Madder	لزيقة ،لزيقة نحيلة الورق	JD, HM, NM, DSA, NDT	VN	C		3-5	1,4,7,17
Rubia tinctorum L.	Madder	فوة	HM	VN	RR	-	6-8	1,2
RUTACEAE								**السذابية**
Citrus aurantium L.	Bitter Citrus	زفر	-	T	-	-	-	1,11
Citrus limon (L.) Burm. fil	Lime, Limon Tree	ليمون	-	T	-	-	-	1,2,3,4,7, 11, 12,13, 14,16
Citrus Maxima Merr	Pomelo	بوملة	-	-	-	-	-	11
Citrus paradise Macfad.	Grapefruit	جريب فروت، ليمون الجنة	-	T	-	-	-	1,3,11,13,14,16
Citrus reticulata Blanco	Mandarin Orange, Tangerine	يوسف أفندي، مندلينا	-	T	-	-	-	1
Citrus Sinensis (L.) Osbeck	Sweet Orange – Tree	برتقال	-	T	-	-	-	1,11,12, 13,14,16
Ruta chalepensis L.	Rue	فيجن، سذاب	HM, NM, NDT	C	C	-	2-6	1,2,3,4,5,6,7,8, 11, 14,15,17
SALICACEAE								**الصفصافية**
Salix acmophylla Boiss.	Willow	صفصاف	JD, HM,DSA, NM,LJV,NDT	T	C	-	3-5	1, 3,4,11,13,16
Salix alba L.	White-Or Swallow Tailed Willow	صفصاف أبيض	-	T	RP	-	-	8

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
SALVADORACEAE								**الأراكية**
Salvadora persica L.	Persian Salvadora, Toothbrush Tree	آراك، سواك، سلفادورا	JD,DSA, LJV	T	RR	-	1-2	1,3,11,14
Scrophularia rubricaulis Boiss.	Red-Stemmed Figwort	برواك حنازيري	JD, HM, DSA, NM,LJV,NDT	H	RP	PSL	2-4	4
Retama raetam (Forssk.) Webb and Berth	Retama, White Broom	رتم	JD,LJV,NDT, NM,DSA,HM, GS	S	CC	-	1-4	1,8,11
SANTALACEAE								**الصندليات**
Santalum album L	Sandalwood tree	صندل	-	-	-	-	-	13
Santalum pterocarpus L.	Sandalwood tree	صندل	-	-	-	-	-	1
SCROPHULARIACEAE								**الفم سمكية**
Verbascum galilaeum Boiss.	Mullein	عورور، عمية	-	-	-	-	-	11
Verbascum sinuatum L.	Mullein	لبيد، عورور متعرج	JD, HM, DSA, NM,LJV,NDT	-	-	-	-	1,3,4,7,13
SOLANACEAE								**الباذنجانية**
Atropa belladonna L.	Deadly Nightshade	ست الحسن	-	F		-	-	1,3,4
Capsicum annuum L.	Chilli, Sweet Peppers	فليفلة، فلفل رومى	-			-	-	1,11,12,13,16
Hyoscyamus aureus L.	Henbane	بنج، مصيص، سكرانية	JD, HM, DSA, NM,LJV,NDT	C	CC	-	3-6	1,3
Lycium europaeum L.	Boxthorn	عرقد، غرقد	JD, HM, DSA, NM,LJV,NDT	S	C	-	5-9	1,4,5,6,7,11,17
Lycopersicon esculentum Mill.	Tomato	بندورة	-	S		-	-	11,1,13,14
Mandragora autumnalis Bertol.	Mandrake	تفاح المجن	JD, HM, NM, LJV, NDT	H	C	-	-	7,17
Nicotiana tobaccum L.	Common Tobacco	دخان	-	-	-	-	-	1
Solanum melongena L.	Egg-Plant	باذنجان	-	A	-	-	-	1,3,14
Solanum nigrum L.	Black Nightshade	سموة، عنب الديب	HM, NM, DSA, NDT	A	C	-	4-9	1,3,4,5,6,11,14
Solanum tuberosum L.	Potato	بطاطا	-	A	-	-	-	1,3,11,13,14,16
SAPINDACEAE								**الصابونيات**
Aesculus hippocastanum L.	Horse chestnuts	كستناء الخيل	-	-	-	-	-	1
STERCULIACEAE								**البرازيات**
Theobroma cacao L.	Cacao Tree	كاكاو	-	-	-	-	-	1,3,11
TAMARICACEAE								**الطرفانيات**
Tamarix Aphylla (L.) Karsten (*T. articulata* Vahl)	Athel	أثل، طرفاء						11
THEACEAE								**عائله الشاي**
Camellia thea Link.	Tea	شاي	-	-	-	-	-	1,11,14,12,13,16

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
THYMELAEACEAE								**المازريونية**
Thymelaea hirsute L.	Shaggy Sparrow-Wort	متتان	JD, HM,DSA	S	C	-	-	10
ULMACEAE								**الدردارية**
Celtis australis L.	Nettle Tree	ميس، ميس الجنوب	JD, HM, NM	T	R	-	-	8
UMBELLIFERAE (APIACEAE)								**الخيمية**
Ammi majus L.	Pick Tooth	خلة	HM, NM, DSA, LJV	A	CC	-	5-8	3,4,11,13,15
Ammi visnaga (L.) Lam.	Pick Tooth	خلة	-	-	-	-	-	1,2,7,11,12
Anethum graveolens L.	Dill	عين جرادة، شبت	NM	A	RR	-	4-6	1,11,14
Anisum vulgare L.	Anise	ينسون	-	-	-	-	-	1,3,11,12, 14,15,16
Apium graveolens L.	Wild Celery	كرفس	JD, HM, DSA, NM,LJV,NDT	A	RP	-	5-9	1,11,13
Carum carvi L.	Caraway	كراوية	-	-	-	-	-	1,11,14
Carum copticum (Ptychotis ajowan DC.)	Ajava	نخوة	-	A	-	-	-	2,3
Conium maculatum L.	Hemlock	شوكران، شقرون	HM, NM	H	RP	-	4-6	7,17
Coriandrum sativum L.	Coriander	كزبرة	JD, HM, NM	A	R	-	3-6	1,3,4,11, 12,14,16
Cuminum cyminum L.	Cumin	كمون	-	-	-	-	-	1,3,11,12, 13,14,16
Daucus carota L.	Carrot	جزر	HM, NM, LJV, NDT	F	CC	-	4-8	1,7,11,12, 13,14,16,17
Eryngium creticum Lam.	Snake Root	قرصعنة	JD, HM, NM, LJV, NDT	H	CC	-	5-8	1,3,4,5,6,7,11,15
Ferula communis L.	Giant Fennel	كلخ، حلتيت، زلوع، قاسوخ	JD, HM, NM, LJV, NDT	H	C	-	3-5	1,11
Foeniculum vulgare Miller	Fennel	شومر	JD, HM, NM, DSA, LJV, GS	H	CC	-	7-11	1,3,4,5,7,11,12,1 3,14,15,16,17
Petroselinum sativum Hoffm.	Parsley	بقدونس	-	-	-	-	-	1,11,13,14,16,17
URTICACEAE								**القريصية**
Parietaria judaica L. (P. diffusa Mert. et Koch)	Wall Pellitory	عشبة الدم، حشيشة الريح	JD, HM, NM, LJV,NDT, GS	A	C	-	1-8	4,5,6,7,13, 17
Urtica pilulifera L.	Roman Nettle	قريص، أنجر، قراص	JD, HM, NM, LJV, NDT	G	RP	-	1-5	1,3,4,7,13,14,11, 12,15,16
Urtica urens L.	Larg Nettle	قريص عادي، حريق	JD, HM, NM, LJV, NDT	A	C	-	1-6	7
VALERIANACEAE								**الناردينية**
Valeriana officinalis L.	Common Valerian	ناردين مخزني، فاليريان	-	H	-	-	-	1,16
VERBENACEAE								**الأرثدية**
Vitex agnus -castus L.	Lilac Chaste Tree	عشبة كف مريم	JD,HM,DSA, LJV,NM,NDT	S	RP	-	6-9	1,4
VIOLACEAE								**البنفسجيه**
Viola odorata L.	Sweet Violet	بنفسج	-	A	-	-	2-6	1,3,11,13

Latin name	English Name	Arabic Name	GR	GF	Ab	End	BT	References♣
VITACEAE								**الكرمية**
Vitis vinifera L.	Grape	عنب	NM	S	-	-	-	1,3,11,12, 13,14,16
ZINGIBERACEAE								**الزنجبيلية**
Alpinia officinarum Hance	Galingala	خولنجان عقاربي	-	F	-	-	-	1,3
Curcuma longa L.	Turmeric	كركم	-	T	-	-	-	1,11,13,14
Elettaria cardamomum Maton	Cardamom	هال	-	T	-	-	-	1,3,11,12,13,14
Zingiber officinale Rose.	Ginger	زنجبيل	-	-	-	-	-	1,11,12,13,14,16
ZYGOPHYLLACEAE								**العدبية، الرطريطية**
Nitraria schoberi L.	Nitre Bush, Dillon Bush	عرقد	-	-	-	-	-	12
Peganum harmala L.	Harmala, African Rue, Syrian Rue	حرمل ، حرملیان	JD, HM, NM, DSA, LJV	H	RP		3-6	1,3,11,12

♣References: 1, Ali-Shtayeh & Jamous, Un-published data; 2, Ali-Shtayeh & Jamous, 2006; 3, Ali-Shtayeh et al., 2000; 4, Ali-Shtayeh et al., 2003; 5, Ali-Shtayeh et al., 1998; 6, Ali-Shtayeh & Abu-Ghdaib, 1999; 7, Khalilia, 2001; 8, Ali-Shtayeh et al., 2003; 9, Arij, 2002; 10, Crowfort et al., 1932; 11, Ali-Shtayeh & Jamous, 2008; 12, Ali-Shtayeh et al., 2012; 13, Ali-Shtayeh et al., 2011; 14, Yasin, 2008; 15, Ali-Shtayeh et al., 2008; 16, Ali-Shtayeh et al., 2013a; 17, Ali-Shtayeh et al., 2013b.

***Abbreviations**

Growth Form (GF)	Geographical Regions (GR)	Endemism (End)	Abundance (Ab)
A= Therophytes (Annuals)	**NM** = Nablus Mountains	**P**= Historic Palestine	**CC** = Very Common
F= Short-lived Perennial	**NDT** = Nablus Desert	**PSS** = Palestine + Coastal	**C** = Common
C= Chamaeophytes (subshrubs)	**LJV** = Lower Jordan Valley	**PS** = Palestine + Sinai	**RP**= Potentially Rare
G= Geophytes	**JD** = Jerusalem Desert	**PST**= Palestine + Southern	**R** = Rare
H= Hemicryptophytes (herbaceous perennials)	**SWB** = South west of West Bank	**PLWS** = Palestine, Lebanon, Western Syria up	**RR**= Very Rare (1 to 30 sites)
S= Nanophanerophytes (Shrubs)	**HM** = Hebron Mountains	**PJ** = Palestine + Jordan	**X**= Extinct (Not observed for the last 35 years)
T= Phanerophytes (Trees)	**DSA** = Dead Sea Area	**PSL**= Palestine + Syria (+	
VN= Vine	**NN** = Northern & W. Negev	**PL**= Palestine + Lebanon	
PA= Parasite	**GS** = Gaza Strip	**PDM**= Palestine + Jebel	
Q= Aquatic			

Conclusion

The "*BERC 2014 National List of Medicinal Plants in Palestine - West Bank and Gaza Strip*", comprises 368 plant species with their Latin name, Family name, English name, Arabic name, geographical region, growth form, abundance, blooming time, and the references that cited the plant. This national inventory of medicinal plants is expected to serve as a reference on herbs used in TAPHM.

References

Ali-Shtayeh, M. S,, Jamous, Rana M., & Jamous, R. M. (2011). Herbal preparation use by patients suffering from cancer in Palestine. *Complementary Therapies in Clinical Practice* 17 (4): 235-240. http://dx.doi.org/10.1016/j.ctcp.2011.06.002

Ali-Shtayeh, M. S., & Abu-Ghdaib, S. I.(1999). Antifungal activity of plant extracts against dermatophytes. *Mycoses* 42: 665-672.

Ali-Shtayeh, M. S., & Jamous, Rana M. (2006). Ethnobotany of Palestinian herbal medicine in the northern West Bank and Gaza Strip: review and comprehensive field study. *Biodiversity and Environmental Sciences Studies Series* 4: 1-122.

Ali-Shtayeh, M. S., & Jamous, Rana M. (Unpublished Data). Medicinal plants use in Palestine.

Ali-Shtayeh, M. S., Jamous, Rana M., & Hamad, A. Kh. (2003). *Guide to trees and shrubs from Palestine*. Til, Nablus: Biodiversity and Environmental Research Center (BERC). In Arabic with English summary.

Ali-Shtayeh, M. S., Jamous, Rana M., & Jamous, RM (2012). Complementary and Alternative Medicine use amongst Palestinian diabetic patients. *Complementary Therapies in Clinical Practice* 18: 16-21. doi:10.1016/j.ctcp.2011.09.001

Ali-Shtayeh, M. S., Yaghmour, Reem M-R., Faidi, Y. R., Salem, Kh., & Al-Nuri, M. A. (1998). Antimicrobial activity of twenty medicinal plants used in folkloric medicine in the Palestinian area. *Journal of Ethnopharmacology* 60:265-271.

Ali-Shtayeh, M. S., Yaniv, Z., & Mahajna, J. (2000). Ethnobotanical survey in the Palestinian area: A classification of the healing potential of medicinal plants. *Journal of Ethnopharmacology* 73:221-232.

Ali-Shtayeh, M. S., Zayed, Rabee A. Gh., & Jamous, Rana M. (2003). *Palestinian plants as a source of antimycotics*. In: M.K. Rai and D. Mares (Editors) *Plant derived antimycotics* (pp. 399-427). Binghamton: The Haworth Press.

Ali-Shtayeh, M.S., Assali, A.A., Jamous, R.M. (2013b). Antimicrobial activity of Palestinian medicinal plants against acne-inducing bacteria. *African Journal of Microbiology research* 7(21): 2560-2573. DOI: 10.5897/AJMR12.1875.

Ali-Shtayeh, M.S., Jamous, Rana M. (2008). *Traditional Arabic Palestinian Herbal Medicine, TAPHM*. Til, Nablus, Palestine, Biodiversity and Environmental Research Center, BERC.

Ali-Shtayeh, M.S., Jamous, Rana M. et al. (2008). Traditional knowledge of wild edible plants used in Palestine (Northern West Bank): A comparative study. *Journal of Ethnobiology and Ethnomedicine* 4:13. (Highly accessed).

Ali-Shtayeha, M.S., Jamous, R.M., Jamous, Rania M., Salameh, N.M. (2013a). Complementary and alternative medicine (CAM) use among hypertensive patients in Palestine. *Complementary Therapies in Clinical Practice* 19: 256-263. DOI:10.1016/j.ctcp.2013.09.001.

Applied Research Institute Jerusalem (ARIJ). (2002). *History of agricultural vegetation in Palestine*. Beitlahem: The Author.(In Arabic).

Crowfoot, G., Hand, M., & Baldensperger, L. (1932). *From cedar to hyssob: A study in the folklore of plants in Palestine*. London: Sheldon Press.

Danin, A. (ed.) 2006+, {continuously updated}, *Flora of Israel online*. The Hebrew University of Jerusalem, Jerusalem, Israel. Published athttp://flora.huji.ac.il/browse.asp <<accessed June 20, 2012>>

Flora Palaestina Volumes 1-4. (1966-1986). Jerusalem: The Israel Academy of Sciences and Humanities.

Khalilia, Walid (2001). *Medicinal Plants as a source of therapeutics for the Treatment of Hormone-Refractory Prostate Cancers*. MSc. Thesis, An-Najah University, Nablus.

Yasin, Raeda (2008). *Studies on Folkloric Medicinal Plants Used by Palestinians in the Qalqilia District*. MSc. Thesis, An-Najah University, Nablus.

Please cite this publication as: Ali-Shtayeh, M. S., & Jamous, R. M. BERC 2014 "National list of medicinal plants in Palestine - West Bank and Gaza Strip. Til, Nablus (Palestine): Biodiversity & Environmental Research Center-BERC, 2014. www.bio-xplore.org/publications. 2014.

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