

Recent Discussions

Quercus macrolepis from Greece

by אורי פרגמן-ספיר

לפני 4 חודשים

French "sister" site.

by דניאל לוי

ביאור

need help to identify plants

by Dirk Becuwe

Dirk Dirk e

Recent Plant Photos



Prof.
Avinoam Danin





Analytical Flora

Botanic Library

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Home > Flora > *Cynomorium coccineum* L.

Cynomorium coccineum L.

Edit Plant

Add Photo

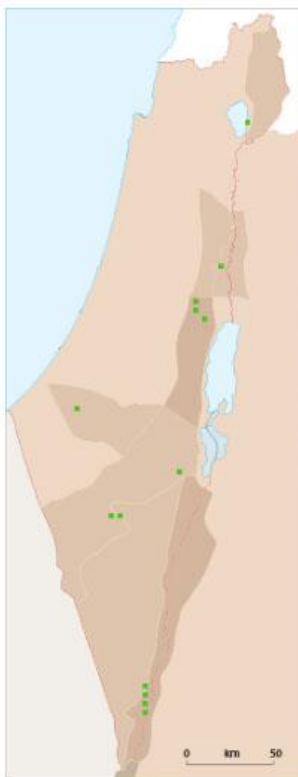


Flowering

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Not in Bloom

Distribution



Geogr. District

Golan (V. Rare)
Samaritan Desert (V. Rare)
Lower Jordan Valley (V. Rare)
Judean Desert (Rare)
Northern Negev (V. Rare)
Negev Highlands (V. Rare)
Southern Negev (V. Rare)
Arava Valley (Rare)

Vegetation Units

Deserts
The Mediterranean
Woodlands and Shrublands
Shrub-steppes
Semi-steppe shrublands

Family

Cynomoriaceae

Additional Names

English:
Dog's tail sp.

Hebrew with Vowels:
טפּל אָדָם

Plant of the Day



Kickxia spuria (L.) Dumort.

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Plant Structure

Flowering and Reproduction

Leaf Arrangement

Habitat

Life form (Raunkiaer): hemicryptophyte, parasite

Spinescence: absent

Succulence: stem succulent

Summer Shedding: ephemeral

Origanum jordanicum Danin & Kuenne

Edit Plant

Add Photo



Flowering



Distribution



Geogr. District
Edom (V. Rare)

Description & Remarks

This *Origanum* was discovered in Edom during the years of peace negotiations of Jordan and Israel. The epithet "jordanicum" commemorates King Hussein of Jordan who signed the peace agreement with Yitzhak Rabin in the days when the holotype

Plant of the Day





Flora of Israel Online

by Prof. Avinoam Danin



Scientific Editor: Dr. Ori Fragman-Sapir

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Contact

Find



Home > Flora > *Iris atrofusca* Baker

Iris atrofusca Baker

Edit Plant

Add Photo





Flora of Israel Online

by Prof. Avinoam Danin



Scientific Editor: Dr. Ori Fragman-Sapir

Home > Flora > Iris atrofusca

Iris atrofusca

Edit Plant



In the northern Negev grows in loessial soil | Tel Arad, 19/3/2013 | Photo © Ori Fragman-Sapir - 19/3/2013



Climatic and Phyto-Geographic Regions of Israel and its neighbours

Average annual rainfalls range between 900mm and 30mm. The flora is rich due to its location along a climatic gradient and a continental junction.

Mediterranean

Jerusalem

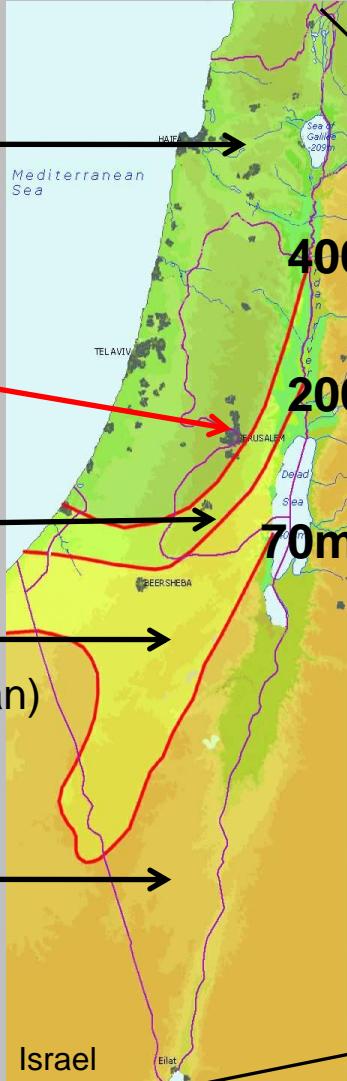
Transition Zone

Semidesert

Saharo-Arabian (Irano-Turanian)

Extreme Desert

Saharo-Arabian (Sudanian)

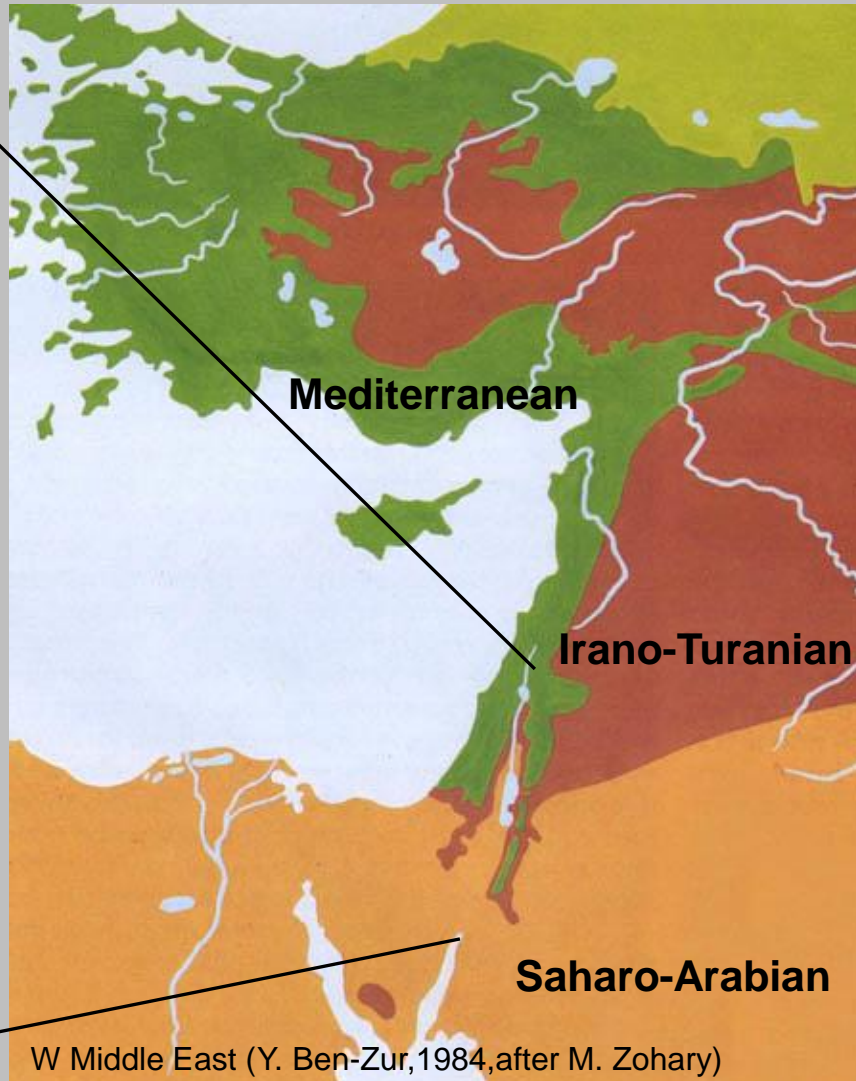


400mm

200mm

70mm

Israel



Mediterranean

Irano-Turanian

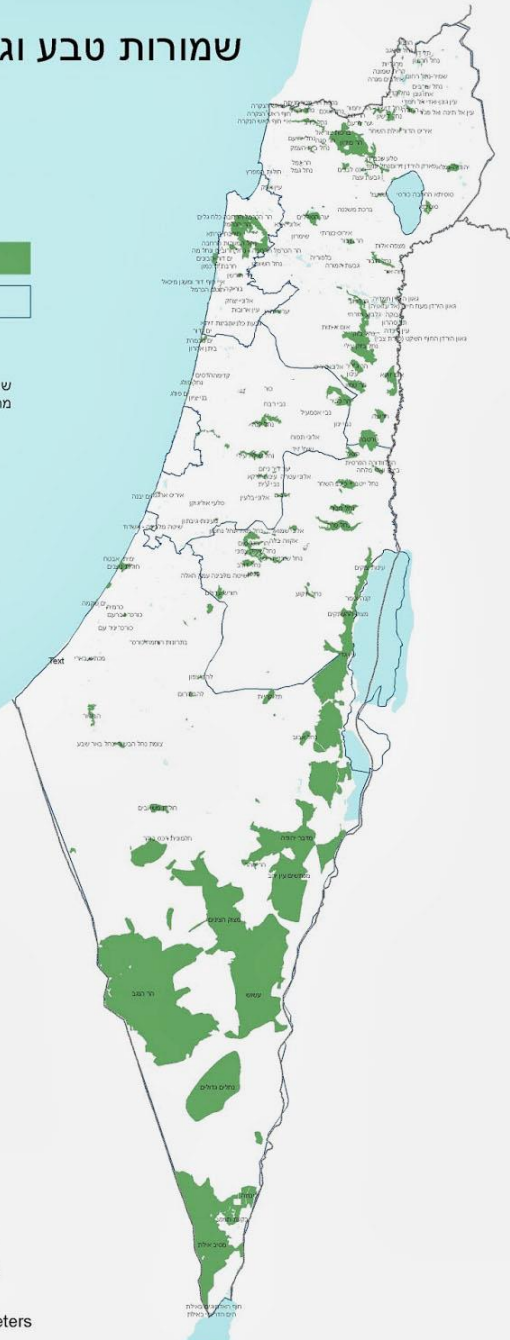
Saharo-Arabian

W Middle East (Y. Ben-Zur, 1984, after M. Zohary)

שמורות טבע וגנים לאומיים מוכרזים

גנים לאומיים ושמורות טבע
מחוזות אדמיניסטרטיביים

שטחי הגנים והשמורות המוכרזים כ- 5,200,000 דונם
מתוכם כ- 70% מדרום לבאר שבע



מועצת גנים לאומיים ושמורות טבע
מקור הנתונים: רשות הטבע והגנים
תאריך עדכון: דצמבר 2005

94,000



Meters

Nature Reserves In Israel and the Palestinian Territories : sporadic and preiferal

Flora of Israel in Numbers

- Native : ~ 2500 species
- Endemic and sub-endemic : 285 species
- Endangered : 434 species (330 at the JBG)
- Protected species in Israel 657 species
- Alien : ~ 200 species (~7% of the flora)
- Ornamental flora : > 5000 species and varieties
- Jerusalem Botanical Gardens : > 6600 species


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Cyclamen coum Mill.

Protected
by Law

רקפת יונית

On the endangered species list. Based on "The Red Data Book: Endangered Plants of Israel" by Prof. Avi Shmida, Dr. Gadi Pollak and Dr. Ori Fragman-Sapir.

Hebrew synonym	רקפת יונית		
English name	Round-leaved Cyclamen	Arabic Name	זעמאסוט
Family	רקפתיים Primulaceae	Classification list	On the endangered species list

Ecosystem	Mediterranean	Chorotype	Mediterranean
Conservation site	Mount Bashanit in the Golan Heights		

Rarity	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6	Red number	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 3.7 <input type="checkbox"/> 10
Vulnerability	<input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4		Vulnerable
Attractiveness	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4	IUCN Category	<input type="checkbox"/> LC <input type="checkbox"/> NT <input checked="" type="checkbox"/> VU <input type="checkbox"/> EN <input type="checkbox"/> CR <input type="checkbox"/> EW <input type="checkbox"/> EX
Endemism	<input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	# of districts in Israel	<input type="text" value="3 (3)"/>
Peripherality	<input type="text" value="N"/>	Disjunctiveness	<input type="text" value="0"/>
		% protected sites	<input type="text" value="10.6"/>

Distribution in Israel

Cyclamen coum grows in the Upper Galilee, the Golan Heights and at the foot of Mount Hermon, on 20 documented sites in the north of the country, all of them at altitudes above 800 meters. According to estimates there are about 25 sites. The famous botanist P.E. Davis, who served in the area during World War II, was the first to collect the species in Israel in 1943 on the Mount Meron peaks. In the Upper Galilee it is restricted to Mount Meron and to its neighboring peaks, e.g. Mount Afa'im, Mount Hilel, and Mount HaAri and Mount Shazur. In the Northern Golan it is common in large contiguous populations in Odem Forest, over nine square kilometers. Fragmented, more southern populations appear on Tel Poran, Mount Bar'on, Mount Bental and the Bashanit ridge. In the lower Mount Hermon it is found on Mount Keta and near Mağdal Shams. On the high Mount Hermon (outside the scope of this book) the plant is scattered to rare and appears on rocks and open sub-forest at altitudes of 1100-2000 meters. The Meron block populations are probably relictual and survived on the high peaks as remnants of the montane vegetation of Lebanon and Turkey, which spread here in a colder period of the Upper Pleistocene. [Click to view dynamic observation map](#)

Habitat

Open, rocky sites woodlands, on limestone or hard basalt or near *Quercus calliprinos* and *Pistacia palaestina* tree trunks. The fruit stalk is adapted to coil and push the capsule into rock crevices. In



Photo: אורי פרגמן-ספיר
מרמון, רכבל התותן, 1650 מטר, אפריל 25, 2012



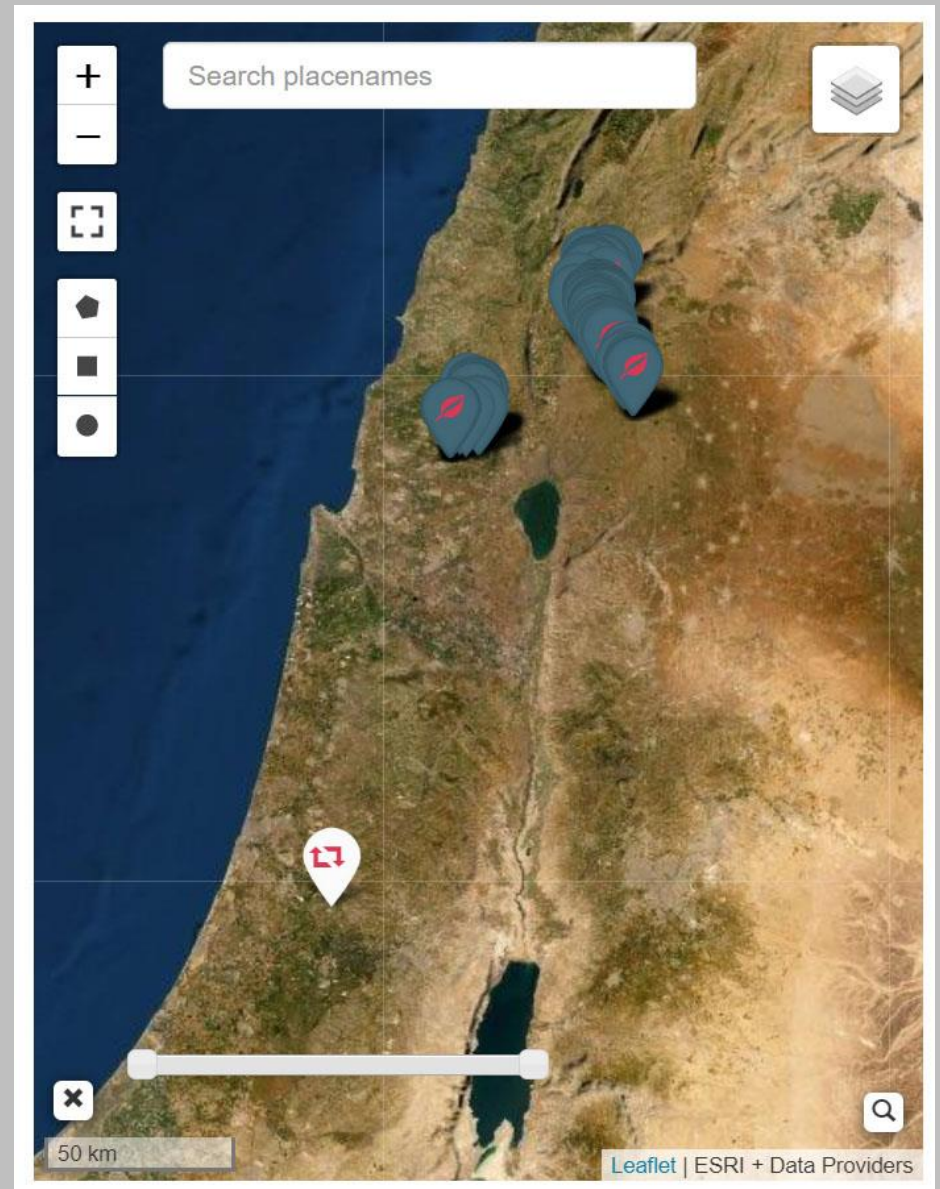
The Red Data Book (Shmida et al)

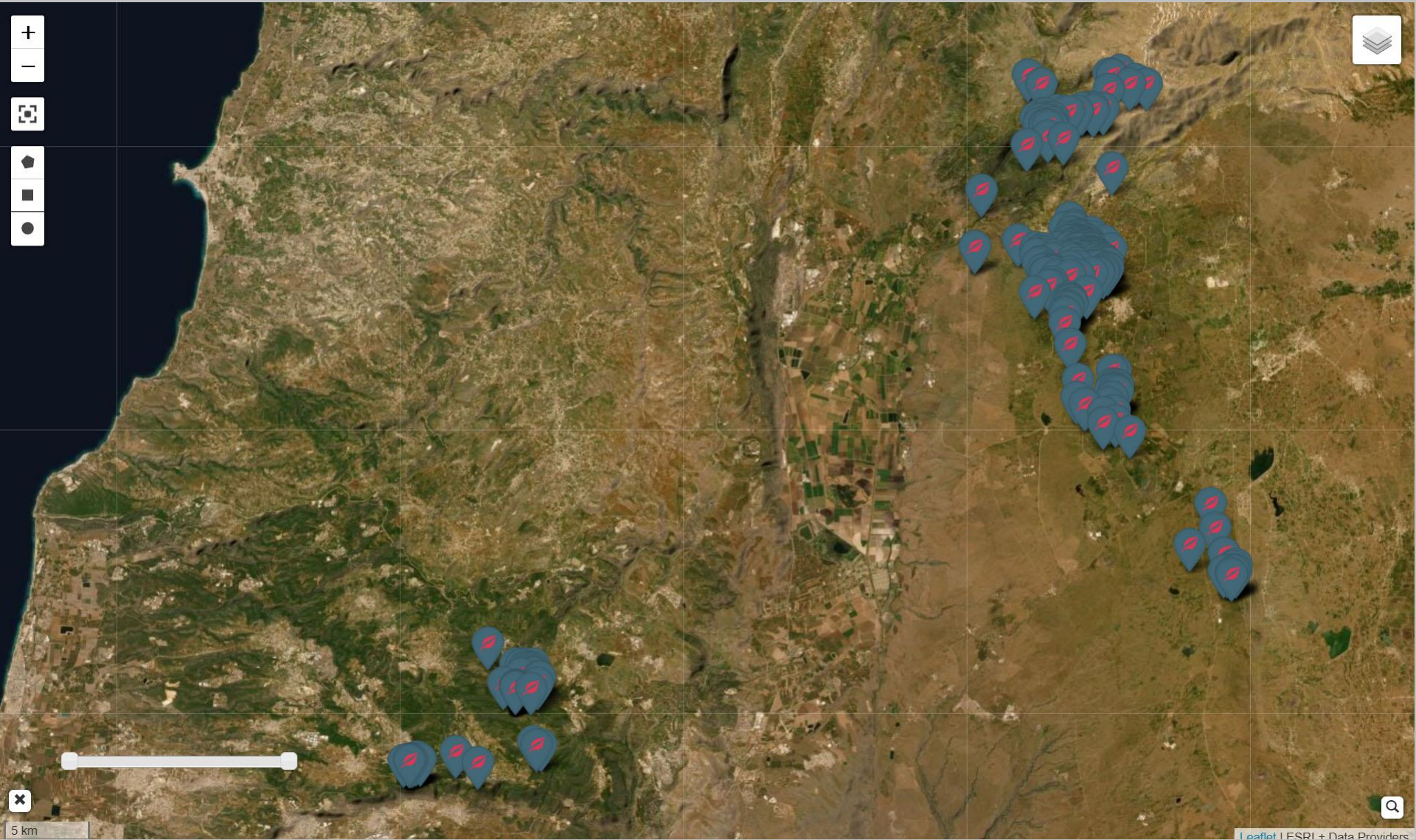
www.redlist.parks.org.il

Geographic mapping

Crowd and professional
Observations

Rare plant committee !





5 km



More than half of the flora is annual





קוטב הערצים

קוטב חנוף

© Ori Fragman-Sapir



© Ori Fragman-Sapir

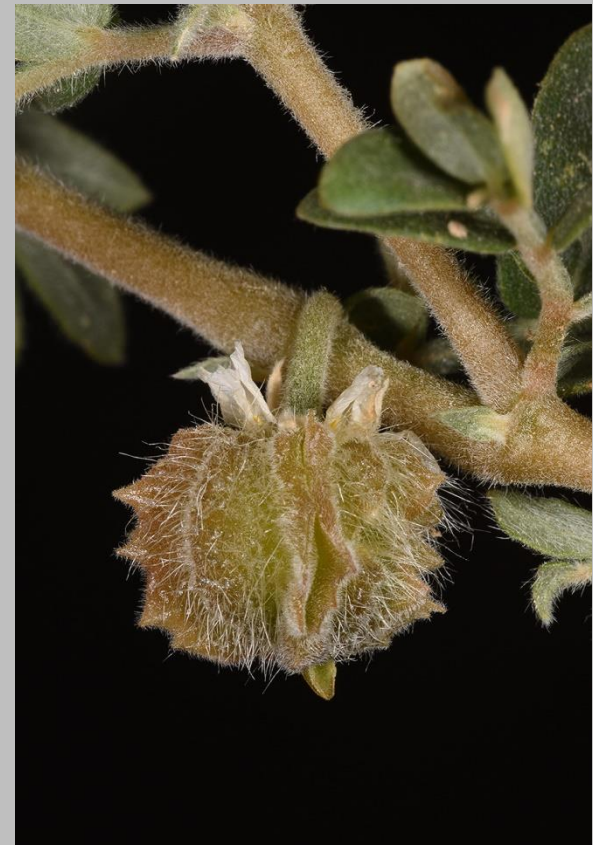
Tribulus headache

T. mollis

T. macropterus



© Ori Fragman-Sapir



A new plum for Israel

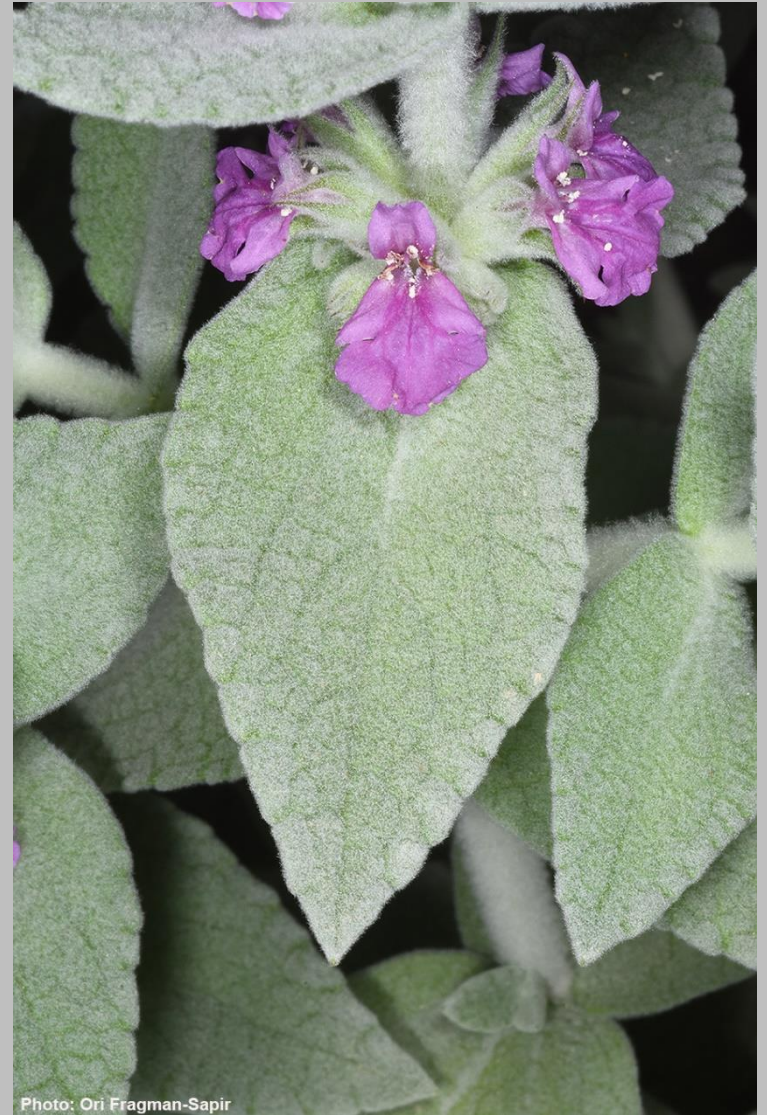


© Ori Fragman-Sapir



© Ori Fragman-Sapir

Prunus cerasifera found in Mt Hermon, 1850m



Stachys paneiana, one of the rarest plants in the world !
Propagated for the first time in the Jerusalem Botanical Gardens

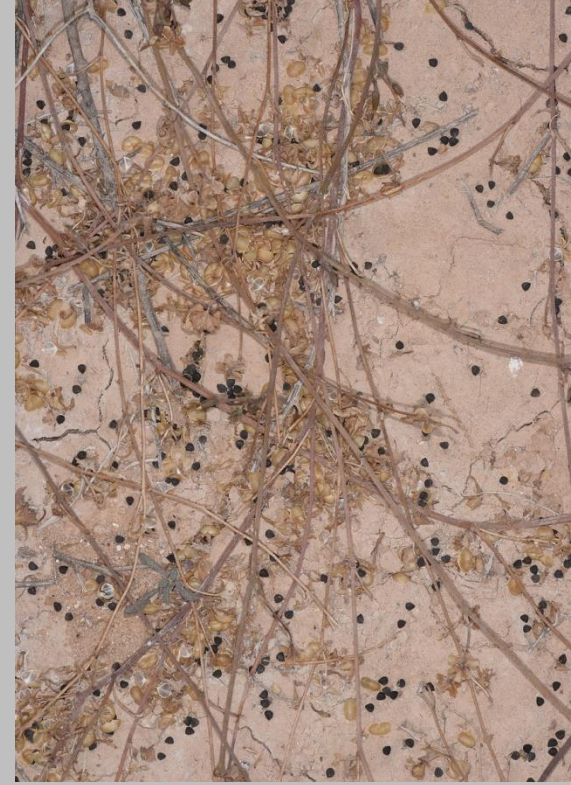
Fruit and seed documented in the Flora of Israel website



Bongardia chysogonum



Gagea villosa



Another new population of *Convolvulus fatmensis* in
the
Arava Valley (S Israel)

Picture- Lior Almagor



Tulipa biflora in Mt Hermon, different from *T. lownei*
צבעוני ססגוני בחרמון !



Cometes abyssinica in the Israel Gene Bank



Cleome chrysophylla

Anticharis glandulosa



Two extremely rarities in Mt Zefahot, S of Eilat



Flora of Israel online
צמחיית ישראל ברשת

<http://flora.org.il/en/plants/>

Jerusalem Botanical Gardens
plant collection website

<https://jbg.gardenexplorer.org/>

נעמי פינברון-דותן אבינעם דנין

מהדורה חדשה עם תיקונים והשלמות

המגדיר לצמחי-בר בארץ ישראל





Narcissus tazetta, protected by law, not endangered, is it really ?

Scilla hyacinthoides



Cyclamen persicum, the national flower of Israel



Fritillaria persica



Hyacinthus orientalis ssp. *orientalis*





מימין כדן סגול, משמאל כדן נימי
Muscari filiforme (left) *Muscari inconstriatum* (right)

Sternbergia clusiana at the Jerusalem Botanical Gardens

Pollination problems





Centaurea cyanoides
protected in nature, but also a cultivated garden plant

Valerianella kotschyi

Endangered
but not attractive

How many people can
identify such a tiny
plant?



What is the primary habitat ? Is there one ?

Agrostemma gracilis

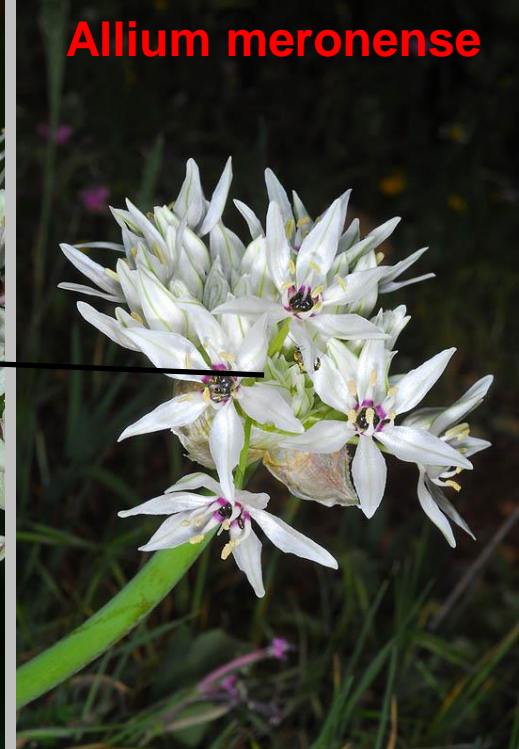
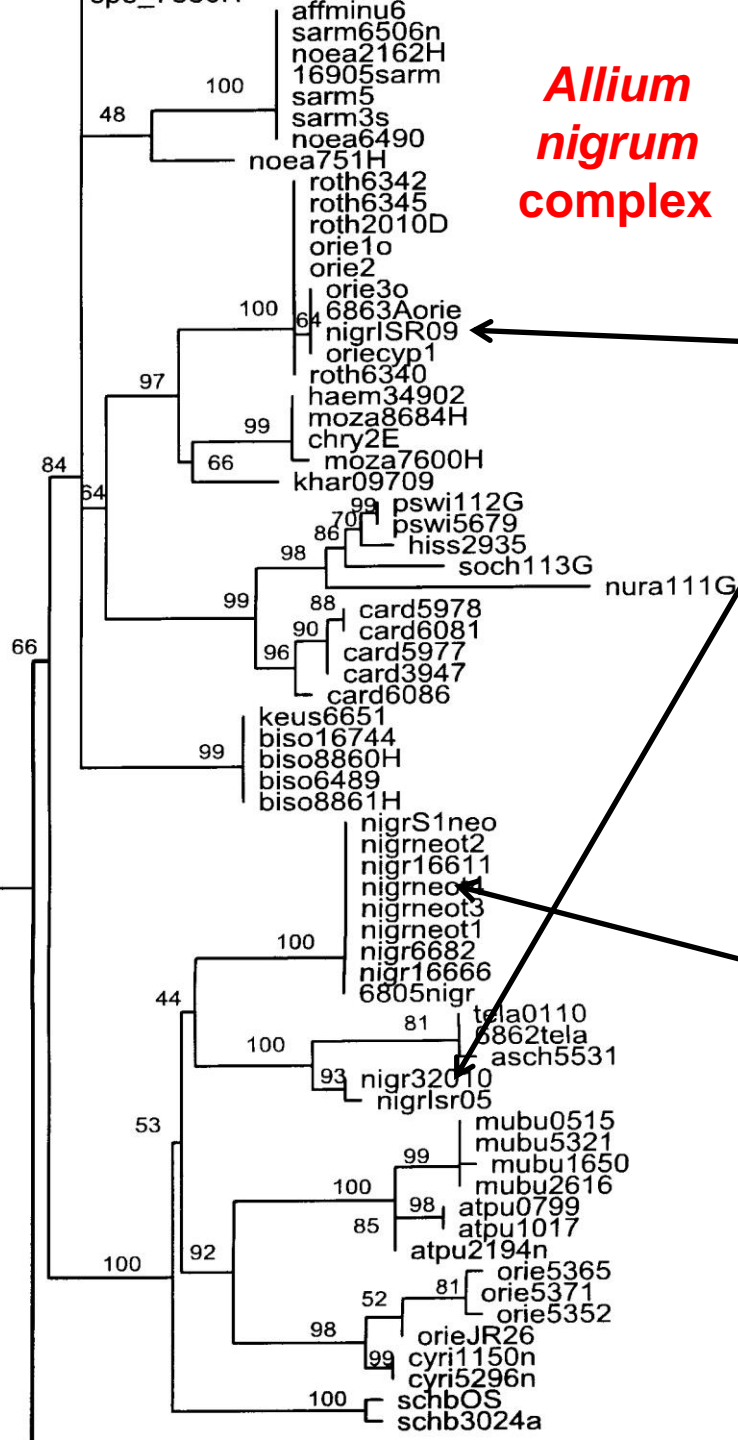


Agrostemma githago



The Valley alluvial soils : *Allium schubertii*





Iris vartanii, population genetics
in collaboration with Chicago Botanic Gardens



Iris vartanii



Iris histrio

Oncocylcus irises

symbol for nature conservation

Iris bismarckiana



Iris atropurpurea



Iris haynei



Oncocyclus irises in Israel, the Palestinian Territories and Jordan

Nikos Yannakopoulos





Campanula peregrina



Salvia bracteata

Rescue of extinct species

Salvia bracteata in the botanical gardens



Collaborations, foreign scholars



Rheum palaestinum



Rare rains in the extreme desert, *Astragalus sparsus*



Cleome chrysantha

A new plant for the country



Capparis decidua





Ideal symbol for
conservation :

Cyperus papyrus

- Ornamental.
- Locally endangered.
- Biblical.
- Useful.



Nymphaea alba



N. caerulea



Wild Wheat – *Triticum dicoccoides*

Native fruit trees

Prunus ursina

Pyrus syriaca



Eriolobus trilobatus



Paeonia mascula – a widespread species
Ending in the Upper Galilee



Epipactis vertatrifolia

the only orchid in the Dead Sea area



Papaver decaisnei, a rare small desert poppy,
related to the narcotic poppies



Collaboration, a small fig in the desert

Ficus palmata



Ficus palmata





Dianthus libanotis



Dianthus libanotis



www.flora.org.il

<http://jbg.gardenexplorer.org/>

<http://en.botanic.co.il/>



Michauxia campanulata

Thank you