

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

کوه تیح فریدونشهر

شناسایی گیاهان مرتعی (۲)

Range Plant Identification (2)

تعداد واحد : ۲

نوع واحد : ۱ واحد نظری - ۱ واحد عملی

پیش نیاز : شناسایی گیاهان مرتعی (۱)

شماره درس : ۳۰۶-۱۶-۳۷

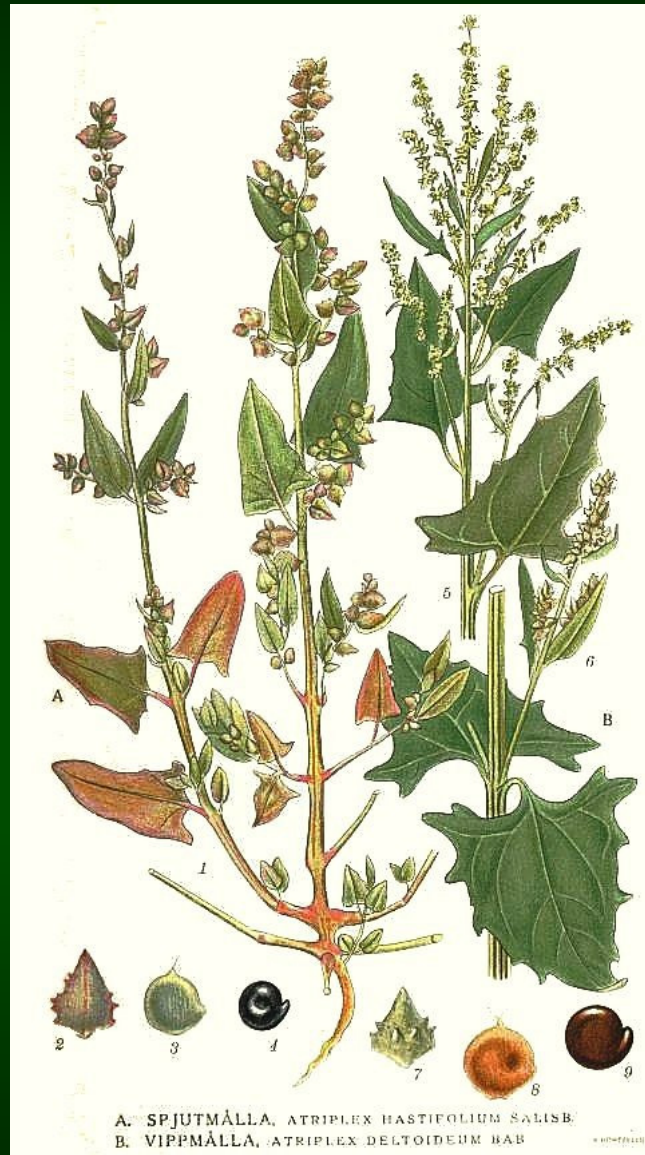
مدرس : محمد رضا وهابی

دانشکده منابع طبیعی دانشگاه صنعتی اصفهان

خانواده اسفناجیان

Chenopodiaceae





A. SPJUTMÄLLA, *ATRIPLEX HASTIFOLIUM* SALISB.
B. VIPPMÄLLA, *ATRIPLEX DELTOIDEUM* BAR.



A. FLIKMÄLLA, *ATRIPLEX HASTATUM* L.
B. GÄRDMÄLLA, *ATRIPLEX PATULUM* L.



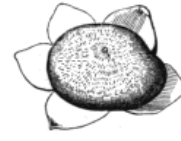
VITMÅLLA, CHENOPODIUM ALBUM L.



Chenopodium viride.



Chenopodium.
Flower (mag.).



Chenopodium.
Fruit (mag.).



Chenopodium.
Seed cut (mag.).



Beta.
Seed (mag.).



Beta vulgaris.
Flower (mag.).



Beta.
Diagram.



Beta vulgaris.
Fruits (mag.).



Beta vulgaris.
Flower cut vertically (mag.).

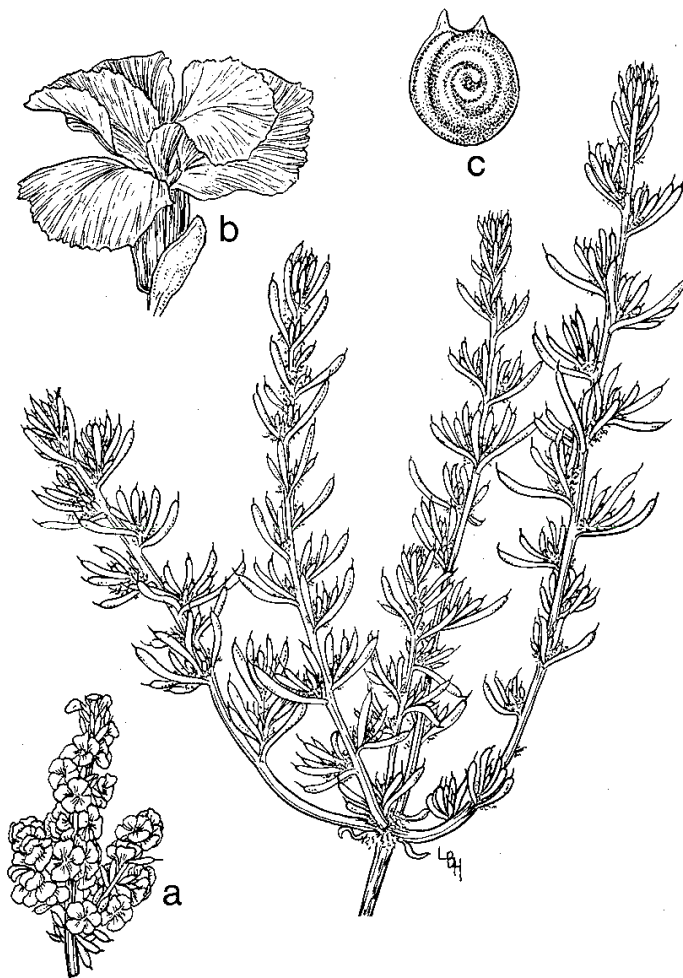


Fig. 49. Halogeton (*Halogeton glomeratus*). Flowering branch.
a. Enlarged section of a flowering branch. b. Fruit. c. Seed.

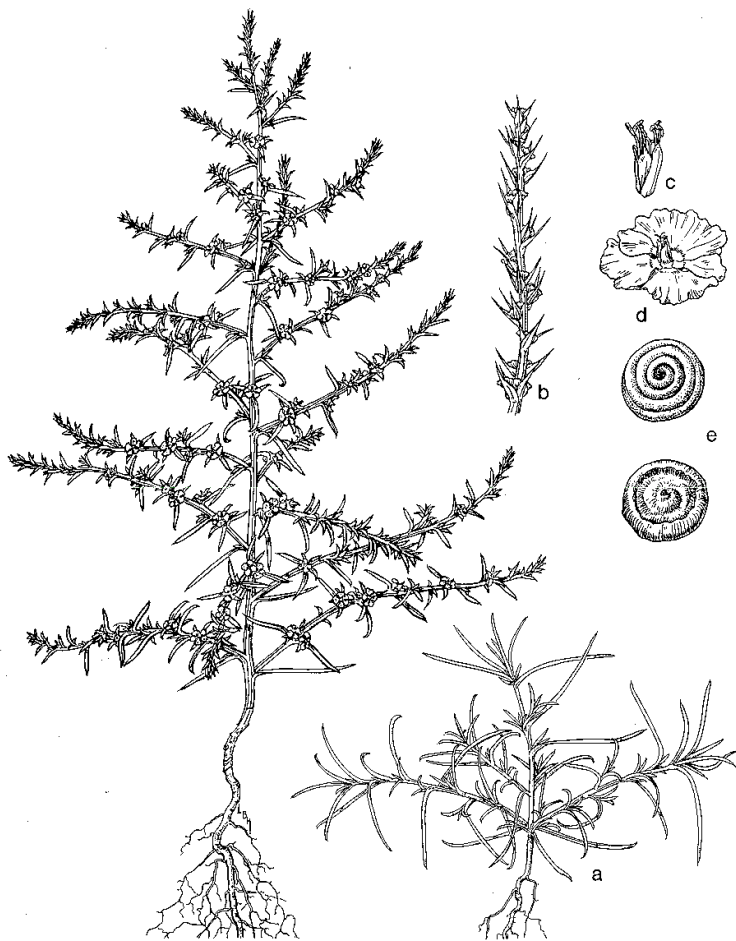


Fig. 51. Russian thistle (*Salsola kali* var. *tenuifolia*). Plant habit. a. Seedling. b. Part of fruiting branch. c. Flower. d. Fruiting calyx. e. Seed.



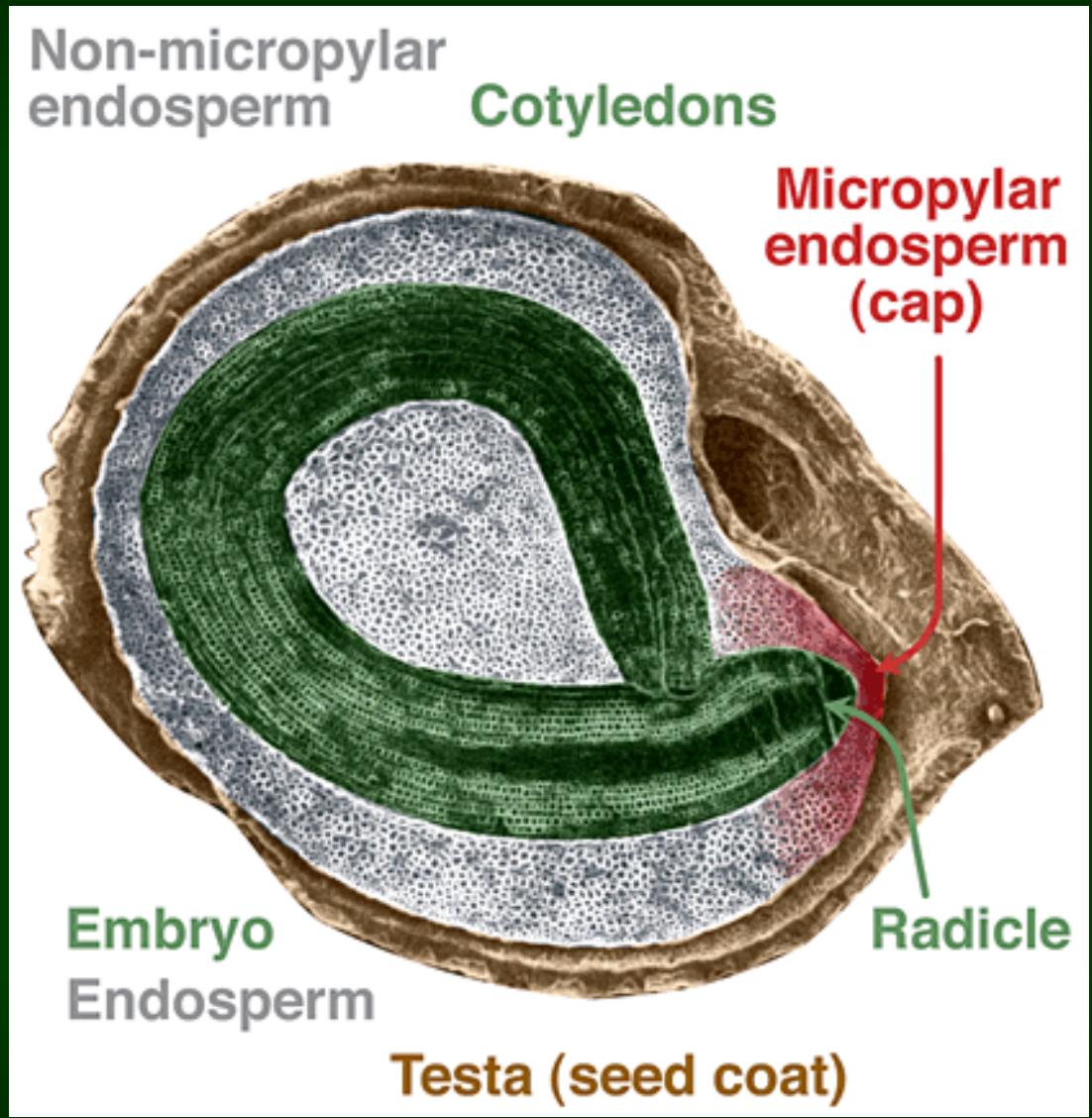
Chenopodium

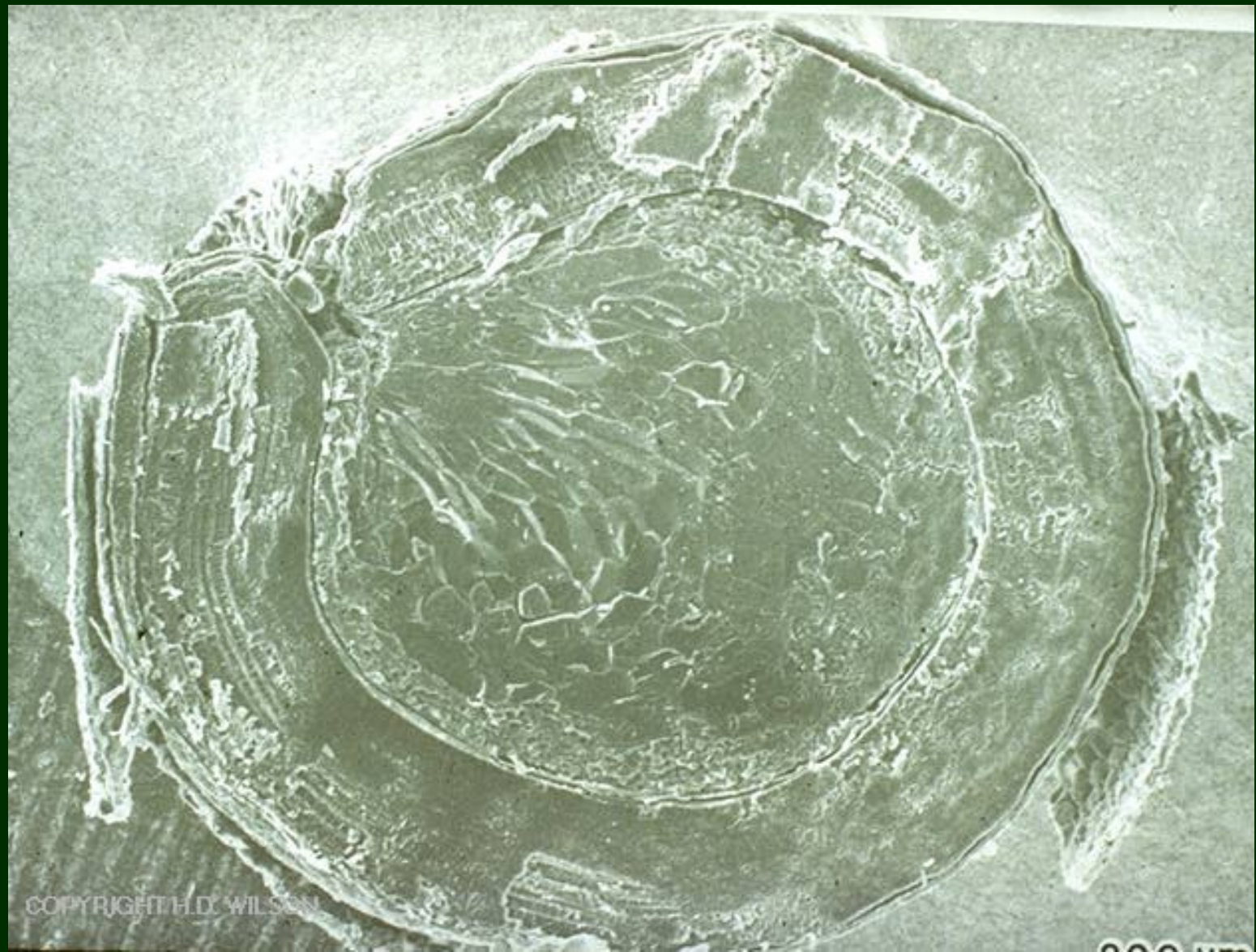




Chenopodiaceae
Maireana georgei

Photo: H. Adamson





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000 μm

معرفی مهم ترین جنس های زیر خانواده

Cyclolobeae

Eurotia

Atriplex

Kochia

Salicornia

Halocnemum

Halostachys

Eurotia ceratoides



Eurotia lanata



Picture 3. Three Tule Valley Great Basin Shrub Communities

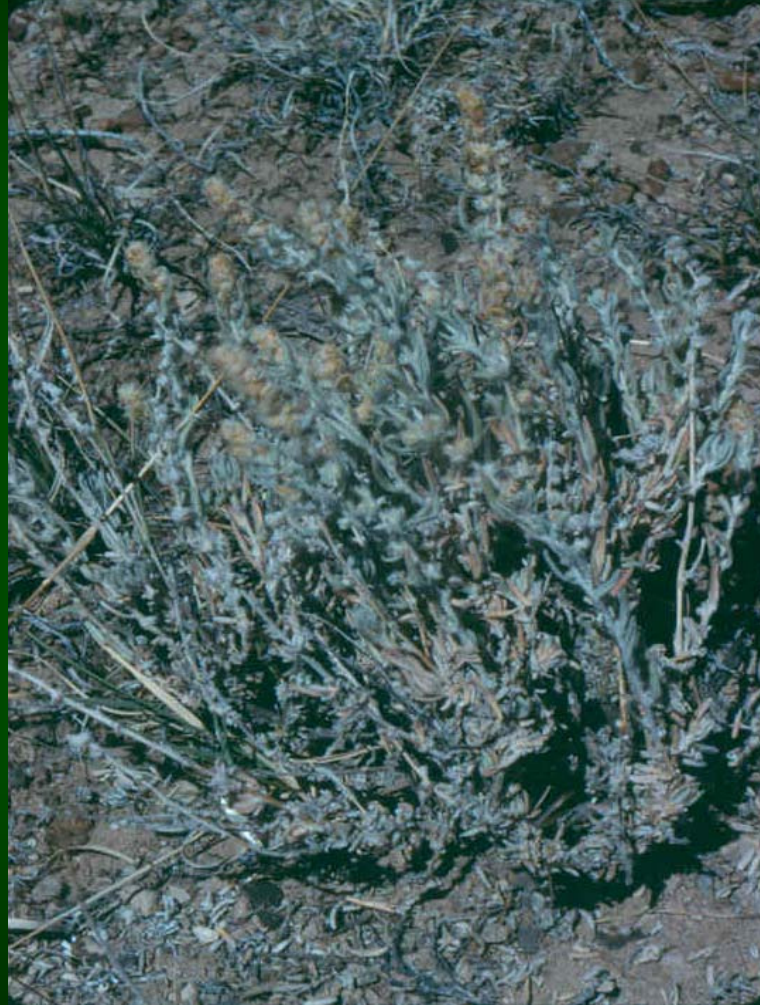
Eurotia lanata



Eurotia lanata



Eurotia lanata



Eurotia lanata



Eurotia lanata



Picture 3. Three Tule Valley Great Basin Shrub Communities

Atriplex canescens



Atriplex canescens



Atriplex canescens



Atriplex canescens



Atriplex canescens



Atriplex canescens

Atriplex canescens



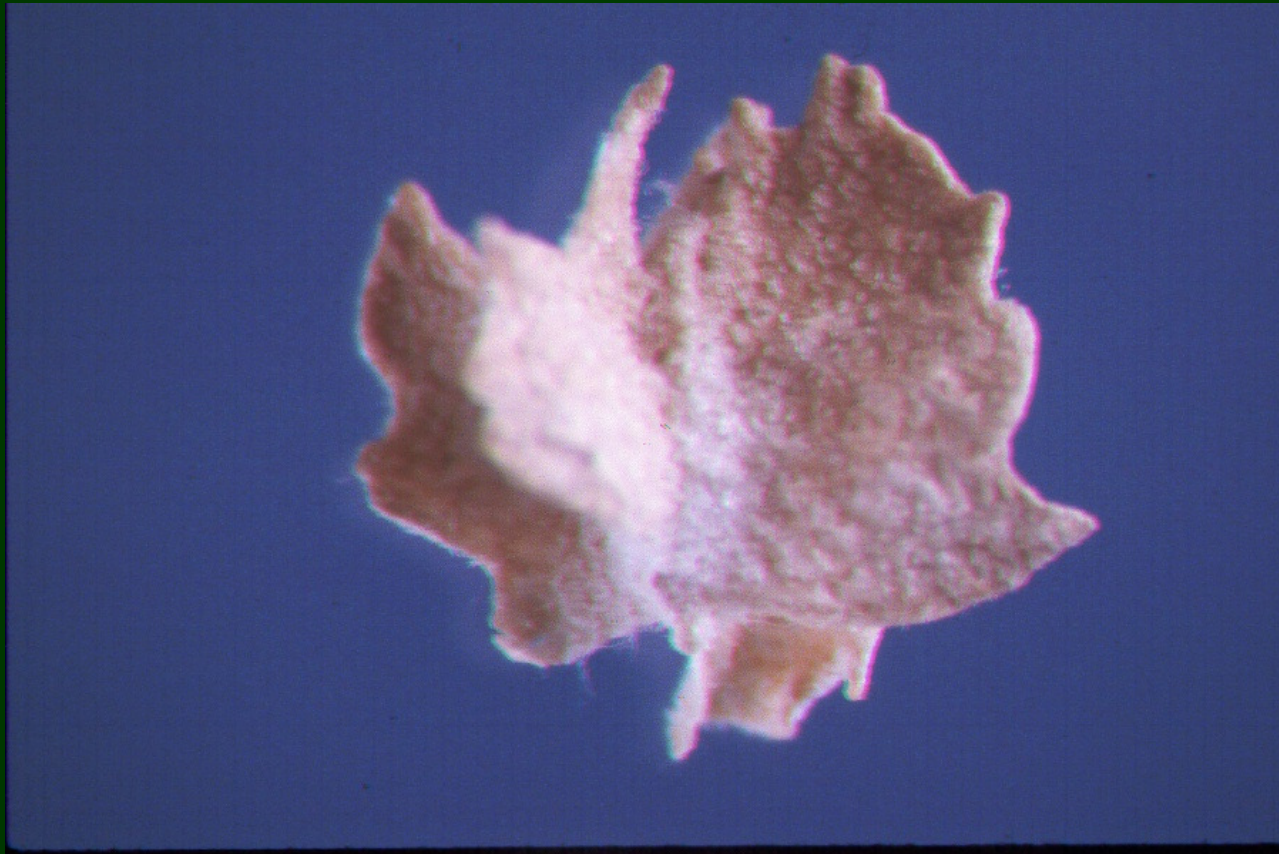
Atriplex canescens



Atriplex canescens



Atriplex canescens



Atriplex halimus



Atriplex halimus



atriplex halimus
© 2005 pictured by antonie van den bos
for aycronto.com

Atriplex halimus

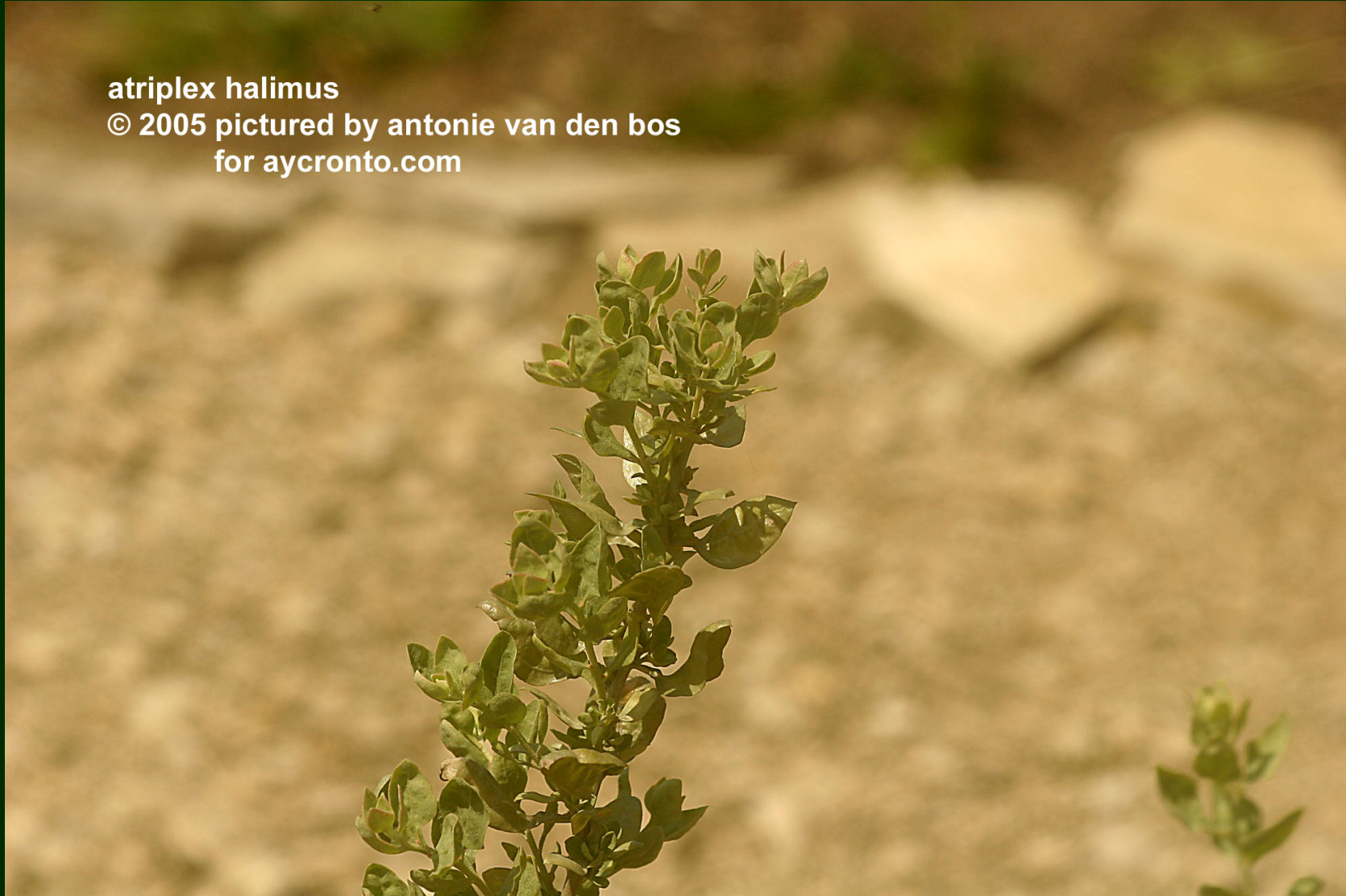


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Atriplex halimus

atriplex halimus

**© 2005 pictured by antonie van den bos
for aycronto.com**



Atriplex halimus



Atriplex halimus



Atriplex lentiformis



Atriplex lentiformis



Atriplex lentiformis



Atriplex lentiformis



Atriplex lentiformis



Kochia scoparia



Kochia scoparia



Kochia scoparia



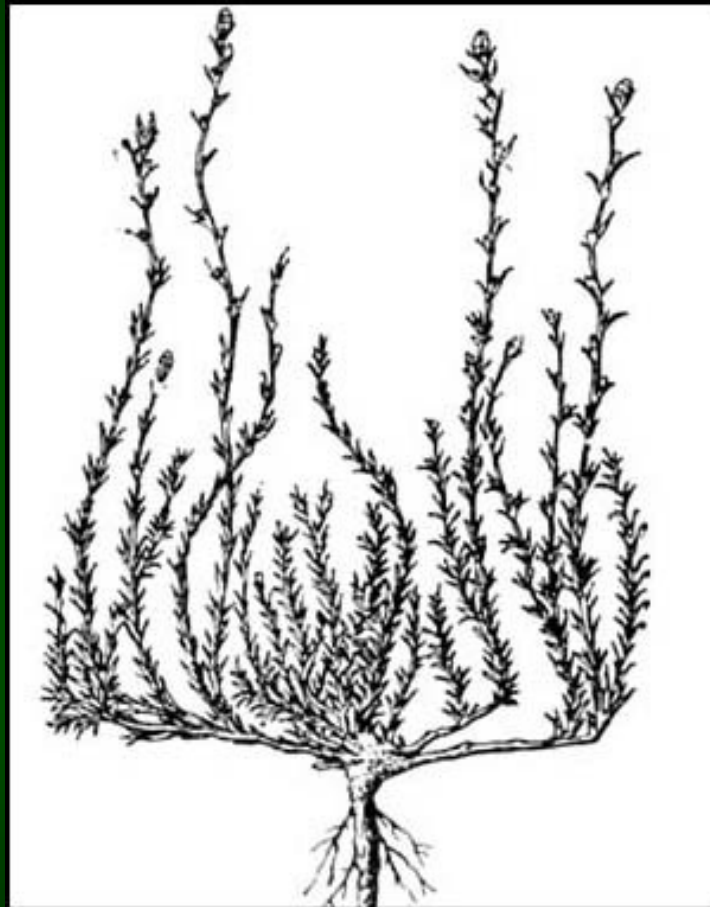
Kochia scoparia



Kochia prostrata



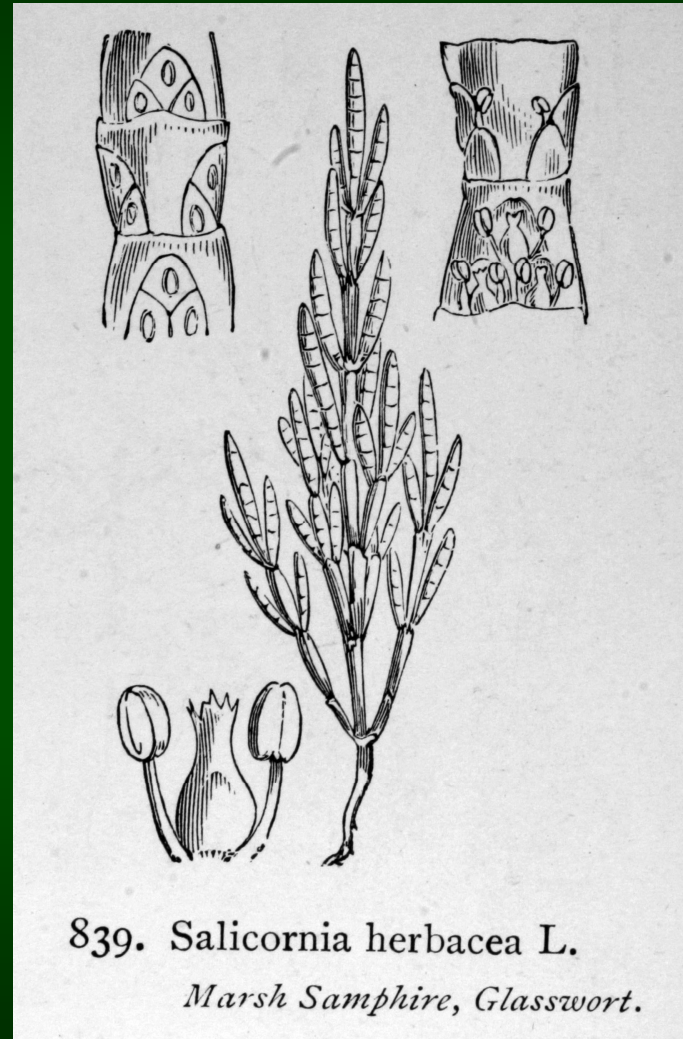
Kochia prostrata



Kochia prostrata



Salicornia herbacea



839. *Salicornia herbacea* L.

Marsh Samphire, Glasswort.

Salicornia herbacea



Salicornia herbacea



Salicornia herbacea



Salicornia herbacea



Salicornia herbacea



Salicornia herbacea



Halocnemum strobilaceum





Halocnemum strobilaceum

Halocnemum strobilaceum





Halocnemum strobilaceum

Halocnemum strobilaceum



Halocnemum strobilaceum

www.halophyte.org



Halocnemum strobilaceum



Halostachys caspica





Halostachys caspica

معرفی مهمترین جنس های زیر خانواده

Spirolobeae

Suaeda

Salsola

Seidlitzia

Haloxylon

Anabasis

Noea

Suaeda



Suaeda



Suaeda

Suaeda linearis
Photo by Shirley Denton



Suaeda

Suaeda linearis
Photo by Keith Bradley



Suaeda



Suaeda



Suaeda fruticosa



Suadea fruticosa



Salsola



Salsola



Salsola



Salsola



Salsola



Salsola



Salsola



Salsola



Salsola



Seidlitzia rosmarinus



Seidlitzia rosmarinus



Haloxylon



Haloxylon



Haloxylon



Haloxylon



Haloxylon persicum



Haloxyton persicum



Haloxylon aphyllum



Haloxylon aphyllum



Haloxylon aphyllum



Haloxylon aphyllum



Anabasis aphylla



Noaea mucronata



Noaea mucronata



Noaea mucronata

