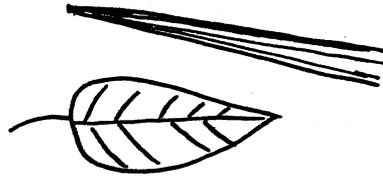


FIELD KEY TO THE COASTAL PLANTS OF ABU DHABI

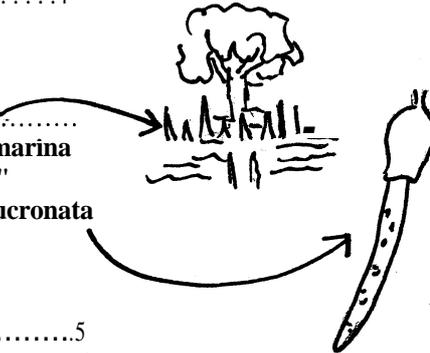
SHAHINA A GHAZANFAR

- 1. Monocots (grasses, sedges, rushes and bulbs);  
leaves with parallel veins .....GROUP D
- + Dicots; leaves usually with net-veins.....2



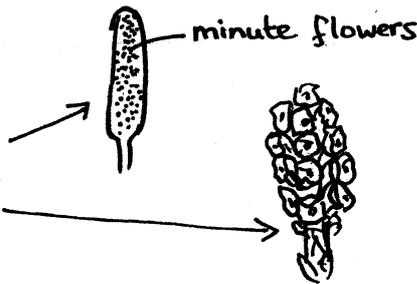
- 2. Trees (mangroves).....3
- + Shrubs, low shrubs and herbs ..... 4

- 3. Mangroves, with "breathing" roots. ....  
.....**Avicennia marina**
- + Mangroves with long hanging "fruits"  
.....**Rhizophora mucronata**



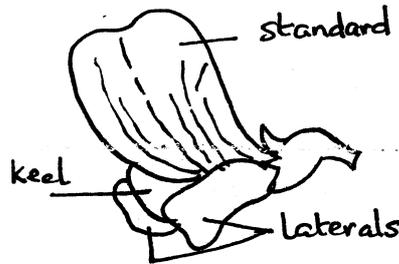
- 4. Leafless plants, not green.....5
- + Plants with leaves, green.....6

- 5. Fungus like parasite, with minute red flowers  
.....**Cynomorium coccineum**
- + Large yellow-orange flowers on a fleshy stem  
.....**Cistanche tubulosum**

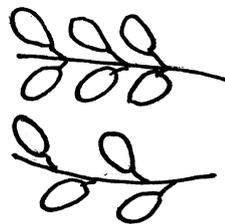


- 6. Succulents .....GROUP A
- + Non-succulent.....7

- 7. Flowers pea-like consisting of a large petal at  
the back, two on sides and a "keel" in front ..  
.....GROUP B
- + Flowers not as above.....8



- 8. Leaves opposite or in whorls .....9
- + Leaves alternate .....10



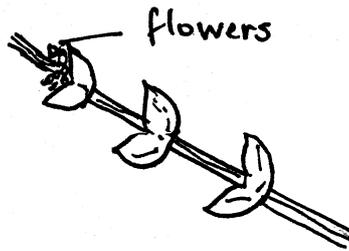
- 9. Leaves in a whorl at base  
.....**Polycarpaea spicata**
- + Leaves opposite .....GROUP C

- 10. Leaves greenish, with long hairs .....  
.....**Moltkiopsis ciliata**
- + Leaves overlapping, whitish grey, hairs short..  
.....**Cressa cretica**

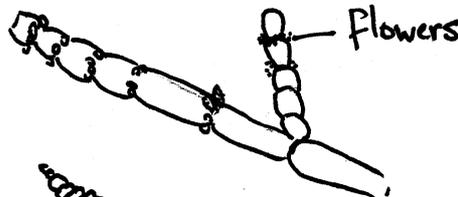


GROUP A: Succulents

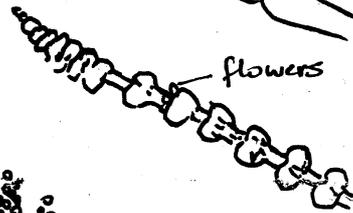
**Anabasis setifera**



**Arthrocnemum macrostachyum**



**Halocnemum strobilaceum**



**Halopeplis perfoliata**



**Salsola spp.**

*S. cyclophylla* – leaves triangular, very hairy

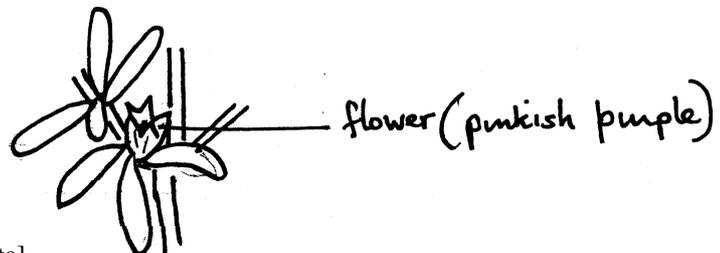
*S. drummondii* – leaves glabrous (without hairs)

*S. imbricata* – leaves rounded; stems unpleasant to smell when cut

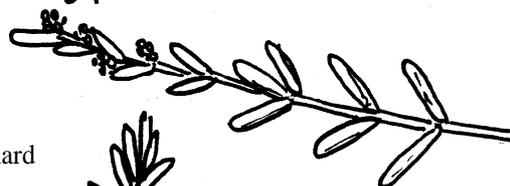
*S. rubescens* – leaves in 2 opposite rows, overlapping

} winged fruit

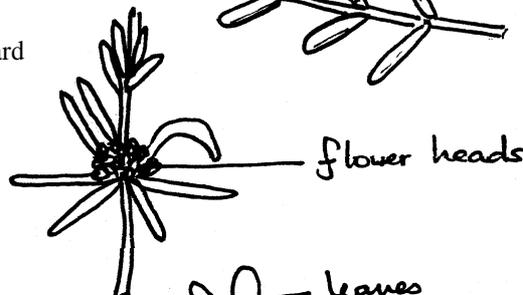
**Sesuvium portulacastrum**



**Suaeda spp.** [*S. aegyptiaca*, *S. vermiculata*]



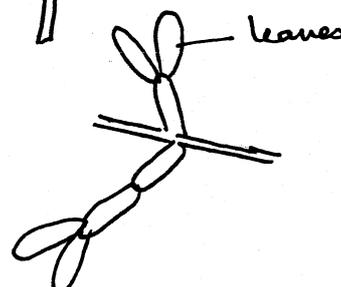
**Sphaerocoma aucheri** - perennial shrub with hard woody stems and knotted branches, often blue-green; small flowers in globular heads which gradually turn spiny



**Zygophyllum spp.**

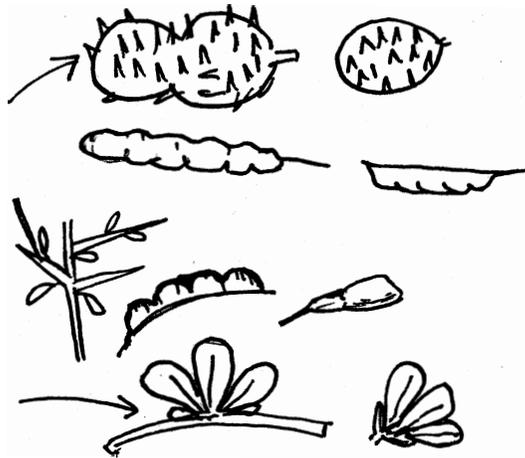
[Perennial shrub; flowers white – *Z. qatarense*]

Annual prostrate herb; flowers yellow – *Z. simplex*]



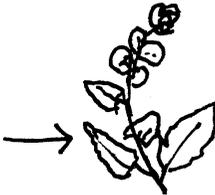
GROUP B: Fabaceae  
 [Flowers pea-like]

- 1. Fruit flat, spiny .....**Taverniera spartea**
- + Fruit pod- like .....2
  
- 2. Shrubs; leaves without leaflets; flowers red .....  
 .....**Alhagi graecorum**
- + Herbs; leaves with 5 leaflets; flowers yellow ..3
  
- 3. Flowers red/pink .....**Lotus garcinii**
- + Flowers yellow/orange .....**Lotus halophilus**



GROUP C: Leaves opposite/subopposite/

- 1. Leaves white-grey, rounded in shape ,.....  
.....**Atriplex leuoclada**
- + Leaves green, or greyish, stiff and spiny ... 2



- 2. Leaves ending in stiff points or spines .....  
..... **Cornulaca monacantha**
- + Leaves not ending in spines .....3



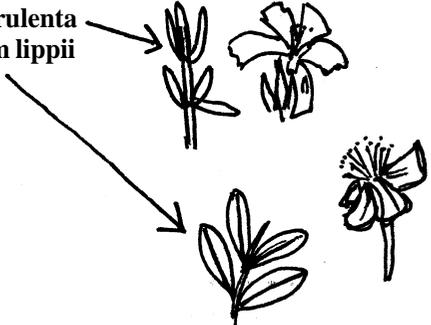
- 3. Leaves somewhat succulent; flowers inconspicuous; fruit winged .....  
.....**Bienertia cycloptera**
- + Leaves ± succulent; flowers ± conspicuous; fruit not winged .....4



- 4. Flowers white ..... **Spergularia marina**
- + Flowers yellow or pink .....6

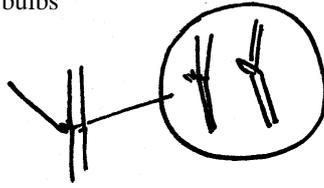


- 6. Flowers pink .....**Frankenia pulverulenta**
- + Flowers yellow .....**Helianthemum lippii**



GROUP D: Grasses, sedges, rushes and bulbs

GRASSES  
*Aeluropus lagopoides*



Leaves with ligules - Grasses

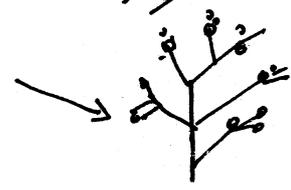
*Aristida abnormis*



*Echinochloa crus-galli*



*Panicum antidotale*



*Sporobolus ioclades*

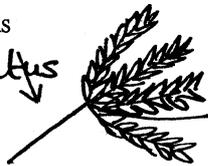


*Sporobolus spicatus*

SEDGES  
*Cyperus arenarius*

Leaves without ligule - sedges

*C. conglomeratus*



RUSHES  
*Juncus rigidus*



BULBS  
*Dipcadi biflorum*

