

Appointments

CUCURBITACEAE :->9 Systemic PositionDicotyledons
Polypetalae
Calyciflorae
Passiflorales11 Vegetative characters -

They are Trailing or decumbent, Annual or Perennial Herbs usually
Climbing by means of Tendril.
Tendrils are absent in Ecballium.

1 Dendrosciyos is the only Tree sp. of the Family.

2 Stem is usually Herbaceous, branched, Hairy & five angular
with two alternate rings of 5 vascular bundle each.

3 leaves are alternate, Exstipulate, simple but often Palmately or
Pinnately lobed or divided.

Inflorescence & Flower -

4 Solitary axillary (Cucurbita) or cymose (Luffa).

Plants are Monoecious sometime dioecious (Coccinia cordifolia)

5 Flowers - yellow/white, unisexual, Actinomorphic, Pentamerous
Epigynous mostly.

6 Calyx - Sepal-5 forming a tube, imbricate or valvate aestivation

7 Corolla - Petal-5 united in a tube or nearly quite free, campanulate
imbricate/valvate.

Androecium - Present only in Male Flower & absent in Female
Flower or as a staminode. stamen 3-5 united

Notes

Gynoecium - Carpel-3, syncarpous, ovary unilocular, Inferior,
Parietal Placentation

Fruit - fleshy Berry / Pepo

Seed - Non endospermic.

January

M	T	W	T	F	S	S	M	T	W	T	F
		1	2	3	4	5	6	7	8	9	10
13	14	15	16	17	18	19	20	21	22	23	24
27	28	29	30	31							

Economic Importance :-Medicinal

- Colocynthin from Citrullus colocynthis is used in rheumatism & urinary disease.
- Eleterium obtained from Ecballium elaterium is used in malaria & Hydrophobia.
- Ecballium, coccinia etc are grown as ornamental plants.

Edible -

- Cucumis sativus - cucumber/khira
- cucumis melo - Melon/kharbuza
- Cucumis melo var. utilissimus - Kakri
- Citrullus vulgaris - Watermelon/Tarbuz
- Cucurbita maxima - Red Pumpkin
- Momordica charantia - Bitter gourd/karela
- Trichosanthes dioica - Pointed gourd/Palwal
- Lagenaria vulgaris - Bottle gourd/Lauki

Floral Formula -

Male - $Br/Ebr \oplus \sigma^{\rightarrow} K(5) C(5) A_{(2)+(2)+1} \overline{G}_0$

Female - $Br/Ebr \oplus \ominus K(5) C(5) A_0 \overline{G}(3)$

~~Dr. Singh.~~
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