

Lilianae

(monokotiledone)

Nekomelinide

Acorales

Alismatales

Petrosaviales

Dioscoreales

Pandanales

Liliales

Asparagales

Komelinide

Arecales

Poales

Commeliniales

Zingiberales

Nekomelinide

- Acorales (Acoraceae)
- Alismatales (Alismataceae, Butomaceae, Araceae, Hydrocharitaceae, Lemnaceae, Najadaceae, Posidoniaceae, Potamogetonaceae, Zosteraceae)
- Petrosaviales (Petrosaviaceae)
- Dioscoreales (Dioscoreaceae)
- Pandanales (Pandanaceae)
- Liliales (Asphodelaceae, Melanthiaceae, Colchicaceae, Liliaceae, Smilacaceae)
- Asparagales (Asparagaceae, Alliaceae, Amaryllidaceae, Iridaceae, Orchidaceae)

Acorales

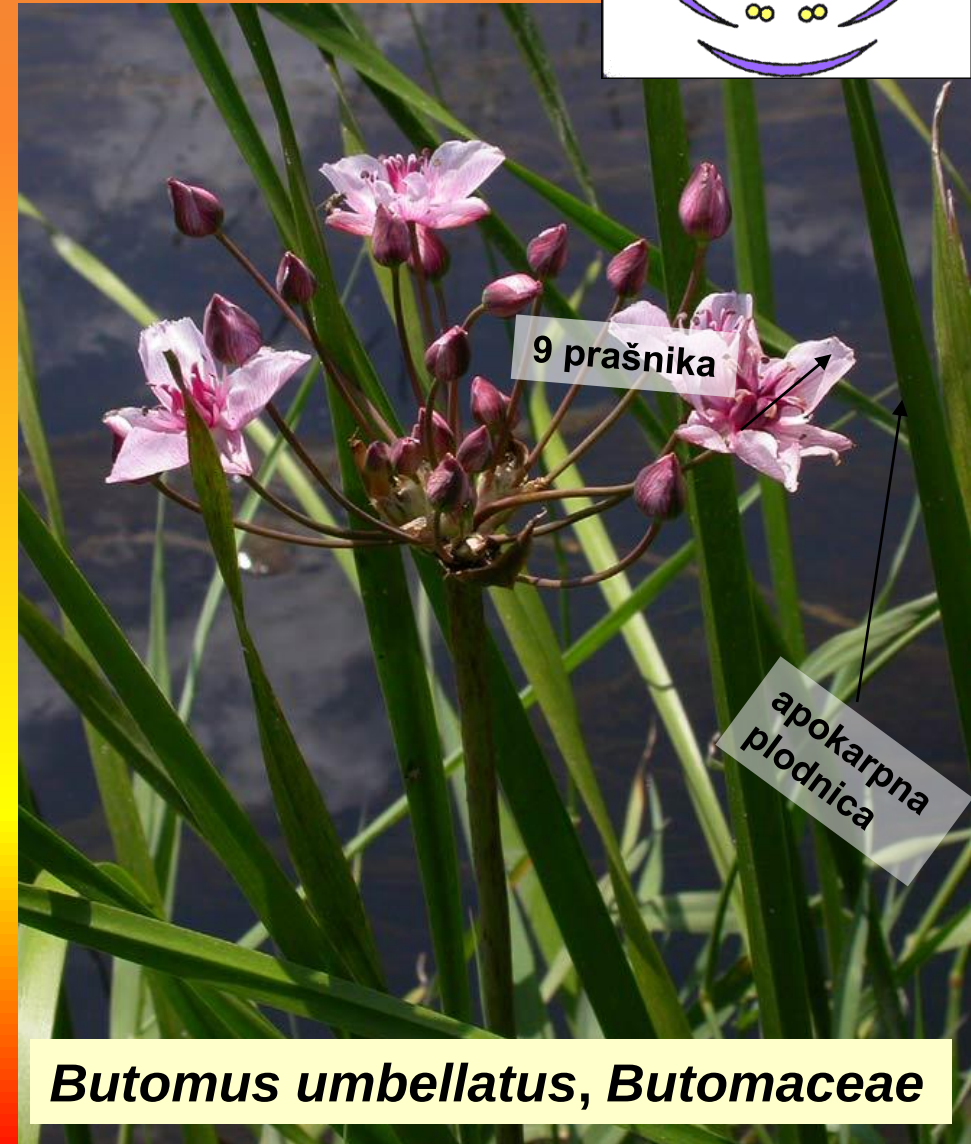
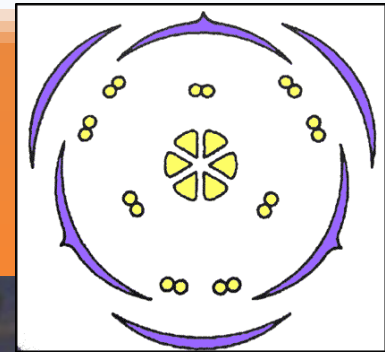
* P₃₊₃ A₃₊₃ G(3)



Acorus calamus, Acoraceae

Alismatales

* K₃ C₃ A₆₊₃ G₆₋₉



Butomus umbellatus, Butomaceae

Alismatales

Alismataceae



* K3 C3 A₃₊₃ G₃

Alisma plantago-aquatica

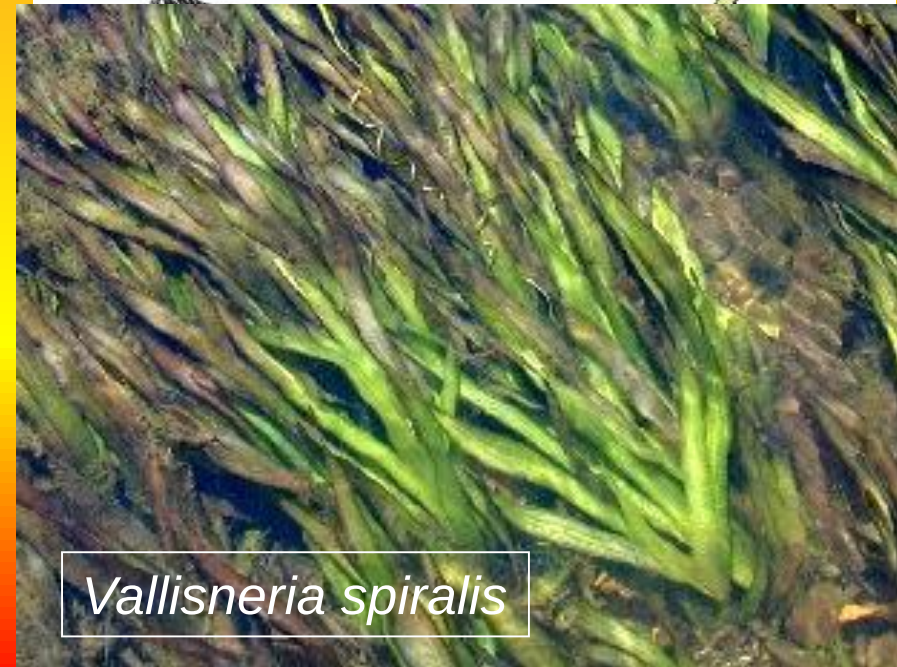
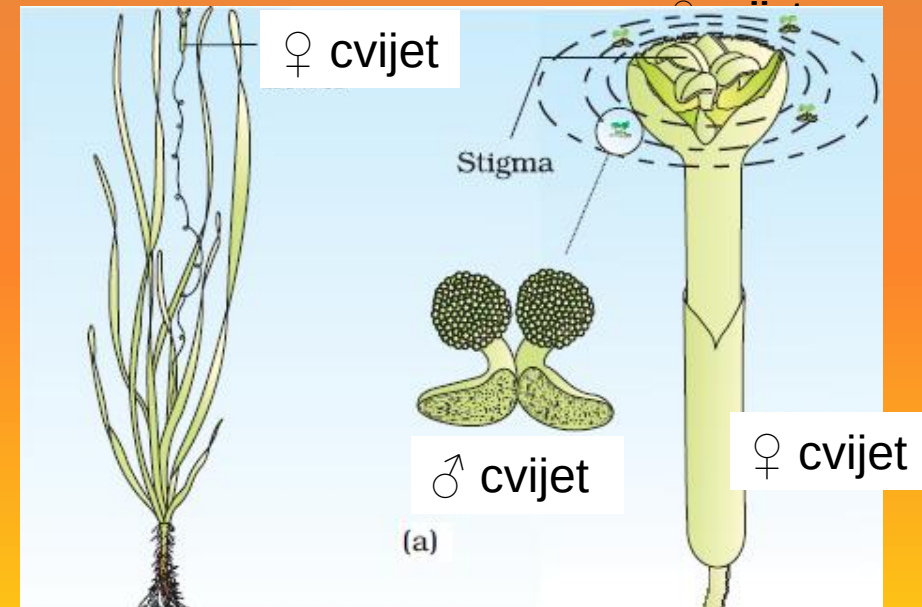


*K3 C3 A₃ G_{3⁰+3⁰}
*K3 C3 A⁰ G₃



Sagittaria sagittifolia

Hydrocharitaceae



Najas marina, *Najadaceae*

♂ A1
♀ G1



Zostera marina,
Zosteraceae

♂ A1
♀ G1



Posidonia oceanica,
Posidoniaceae

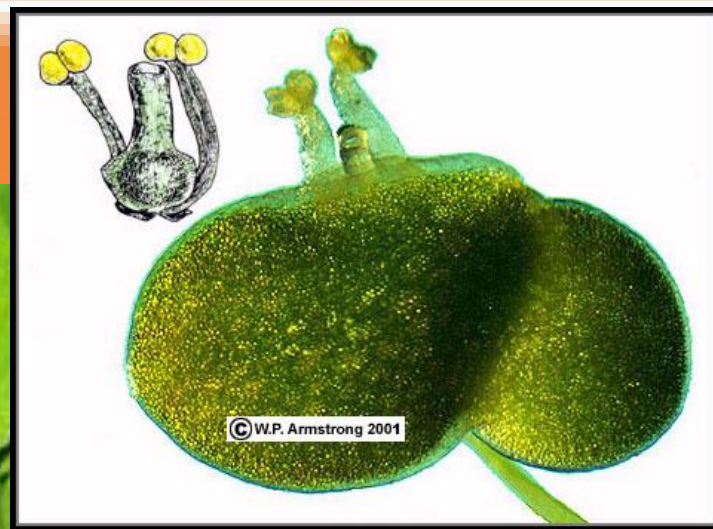
A3 G1

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Lemnaceae



Lemna minor



Wolfia arrhiza

Potamogetonaceae

* (P₄ A₄) G₄



Potamogeton natans



Potamogeton perfoliatus

Dioscoreales, *Dioscoreaceae*

Dioscorea balcanica



* P₃₊₃ A₃₊₃ G₀
*P₃₊₃ A₀ G₍₃₎

Tamus comunis

* P₃₊₃ A₃₊₃ G₍₃₎

o. Pandanales
f. *Pandanaceae*



صا P0 A
صا P0 G

PANDANUS GRACILIS—BLANCO
Pandanus gracilis

Liliales

Asphodelaceae (Asphodelus)

Colchicaceae (Colchicum)

Liliaceae (Lilium, Tulipa, Fritillaria)

Melanthiaceae (Veratrum, Paris)

Smilacaceae (Smilax)

Asphodelaceae, Asphodelus albus - čapljan



* P_{3+3} A_{3+3} $G_{(3)}$



Colchicaceae, Colchicum hungaricum, mrazovac



Liliaceae

P_{3+3} A_{3+3} $G_{(3)}$

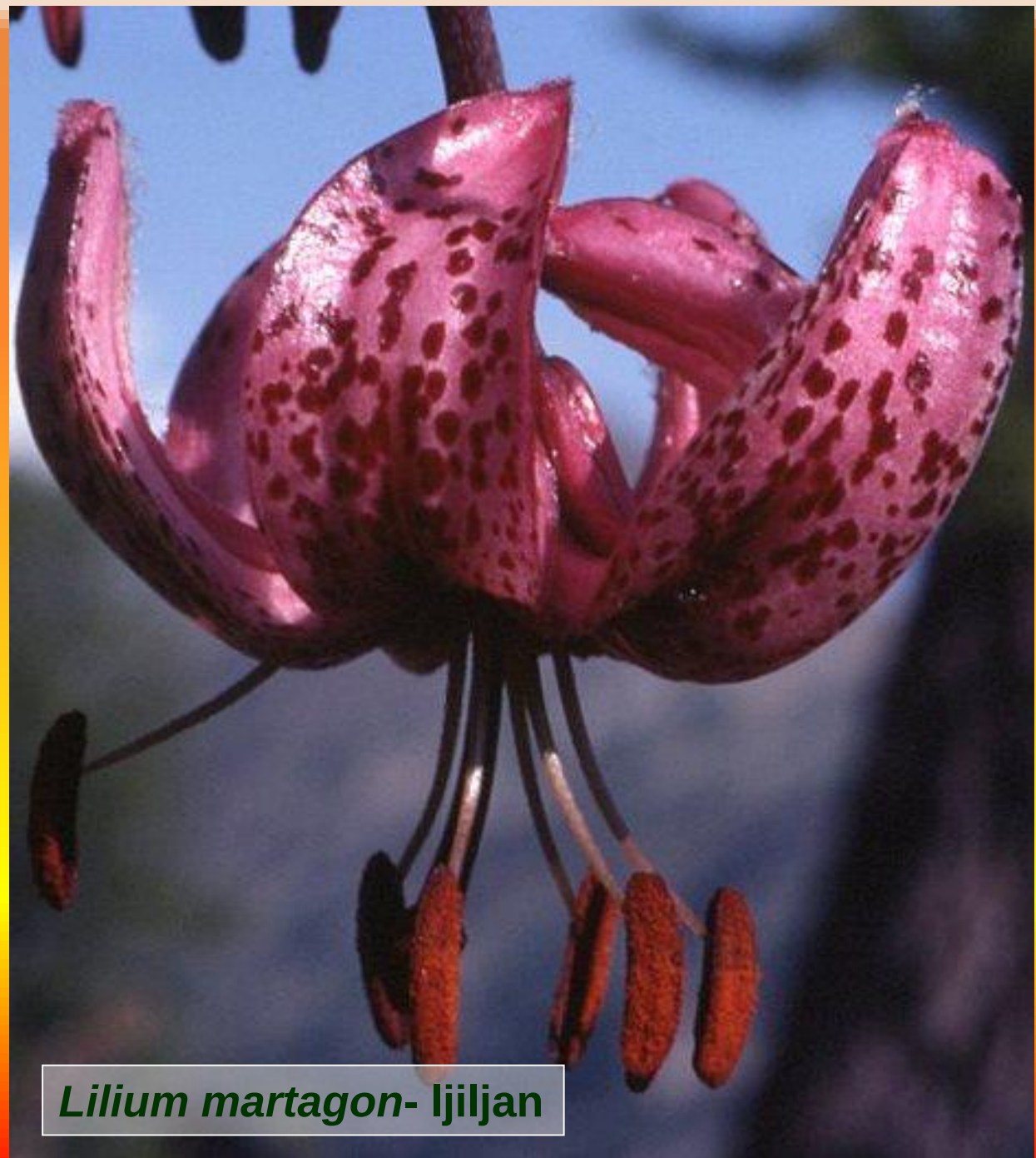
Tulipa sylvestris – lala, tulipan



Fritillaria gracilis- kockalica



Erythronium dens-canis- pasji zub



Lilium martagon- ljiljan

Melanthiaceae



Paris quadrifolia- Petrov krst *K₄ C₄ A₄₊₄ G(4)



Veratrum album- čemerika
P₃₊₃ A₃₊₃ G(3)

Smilacaceae



Asparagales

Alliaceae (Alium)

Amaryllidaceae (Narcissus, Galanthus, Leucojum)

Asparagaceae (Convallaria, Polygonatum, Asparagus, Ruscus)

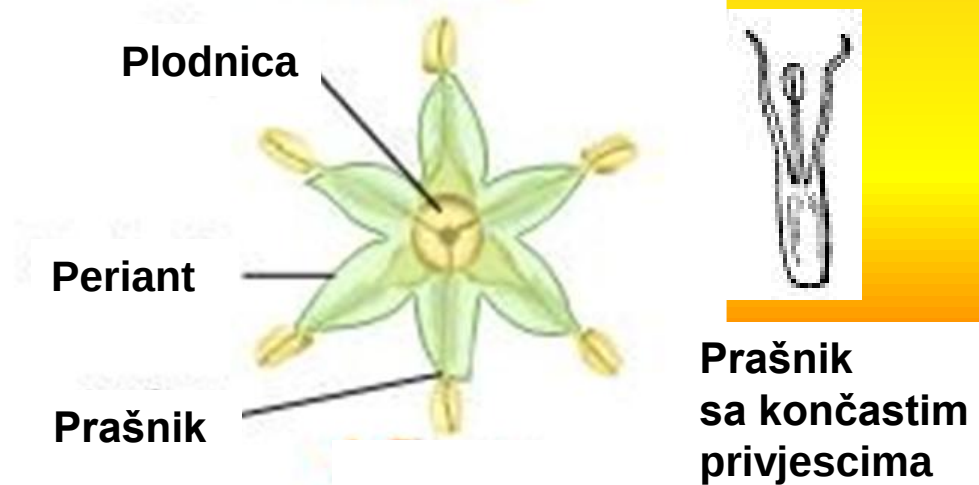
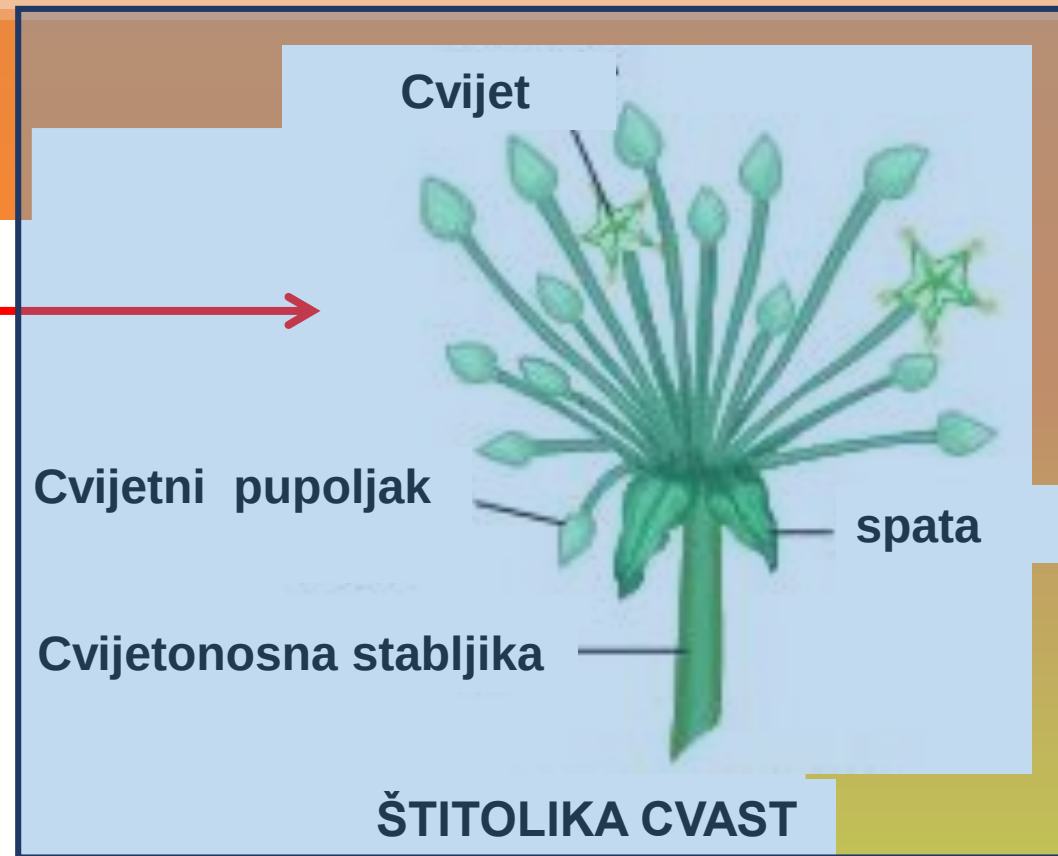
Araceae (Arum)

Iridaceae (Iris, Crocus, Gladiolus)

Orchidaceae (Ophrys, Orchis, Spiranthes, Gymnadenia...)

Alliaceae

*[P₃₊₃ A₃₊₃] G₍₃₎





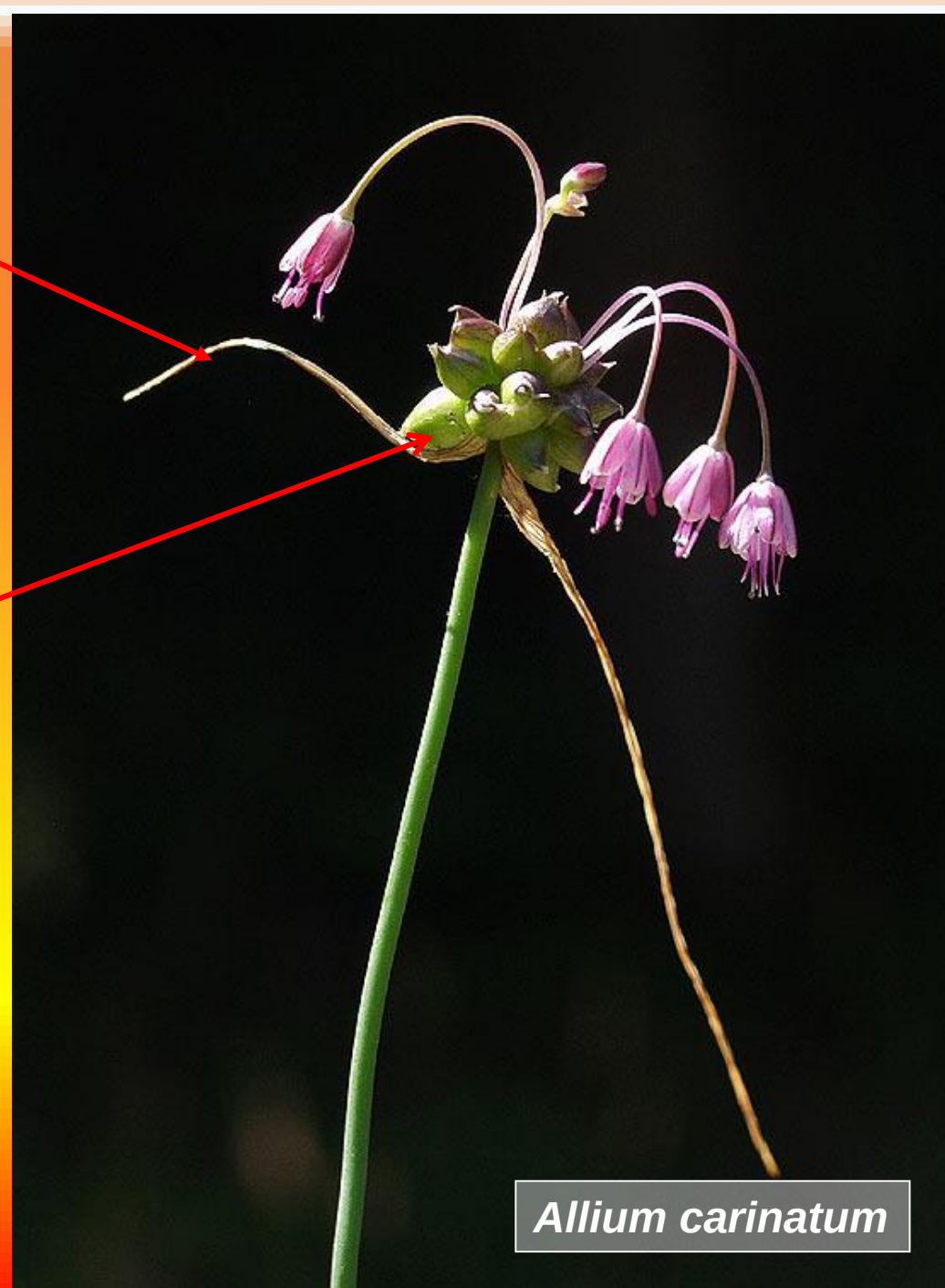
Allium cepa- crni luk



Allium ursinum- srijemuš

Ovojni list (spata)
nadvisuje cvast

Rasplodni bulbili u zoni cvasti

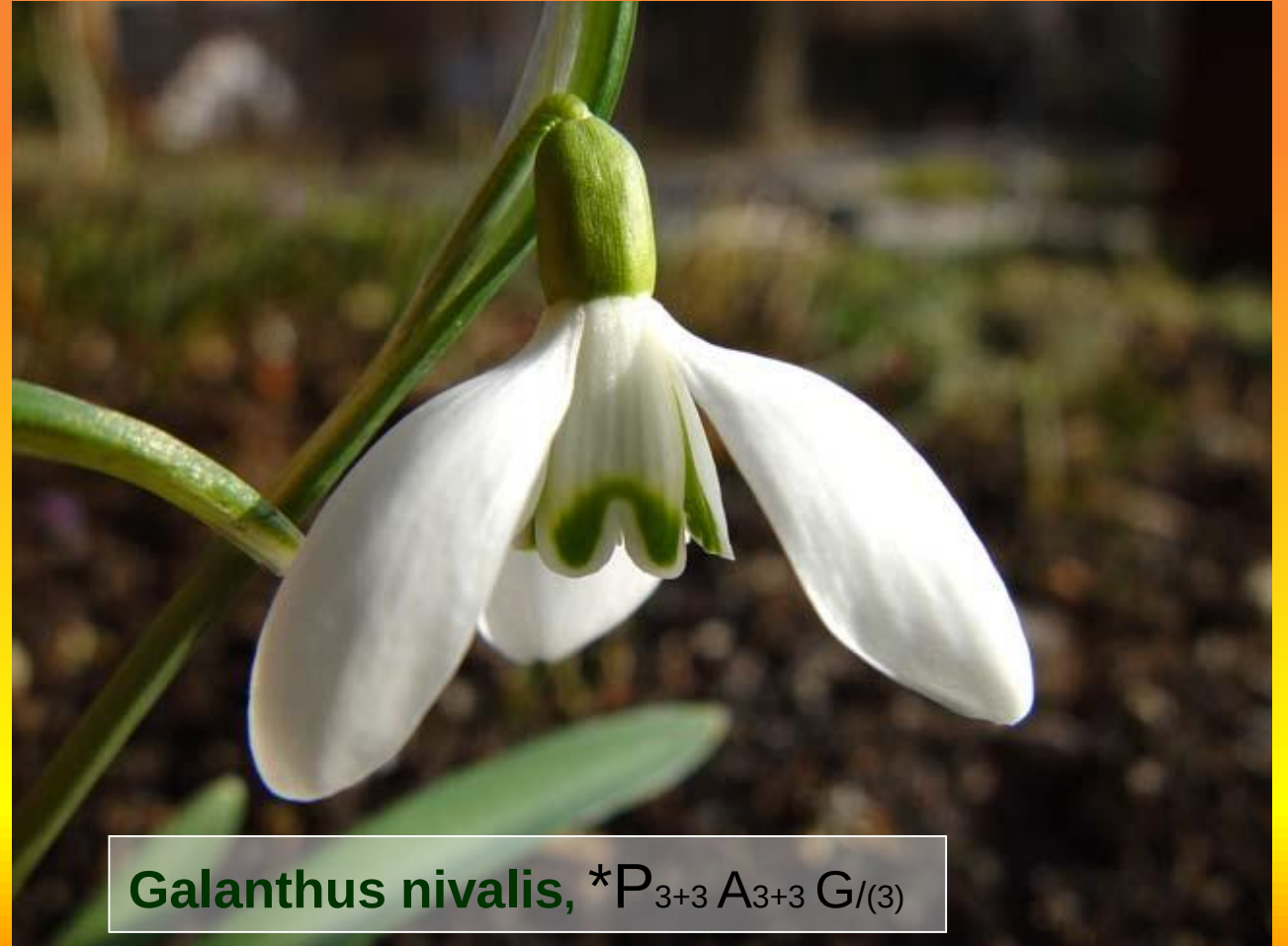


Allium carinatum

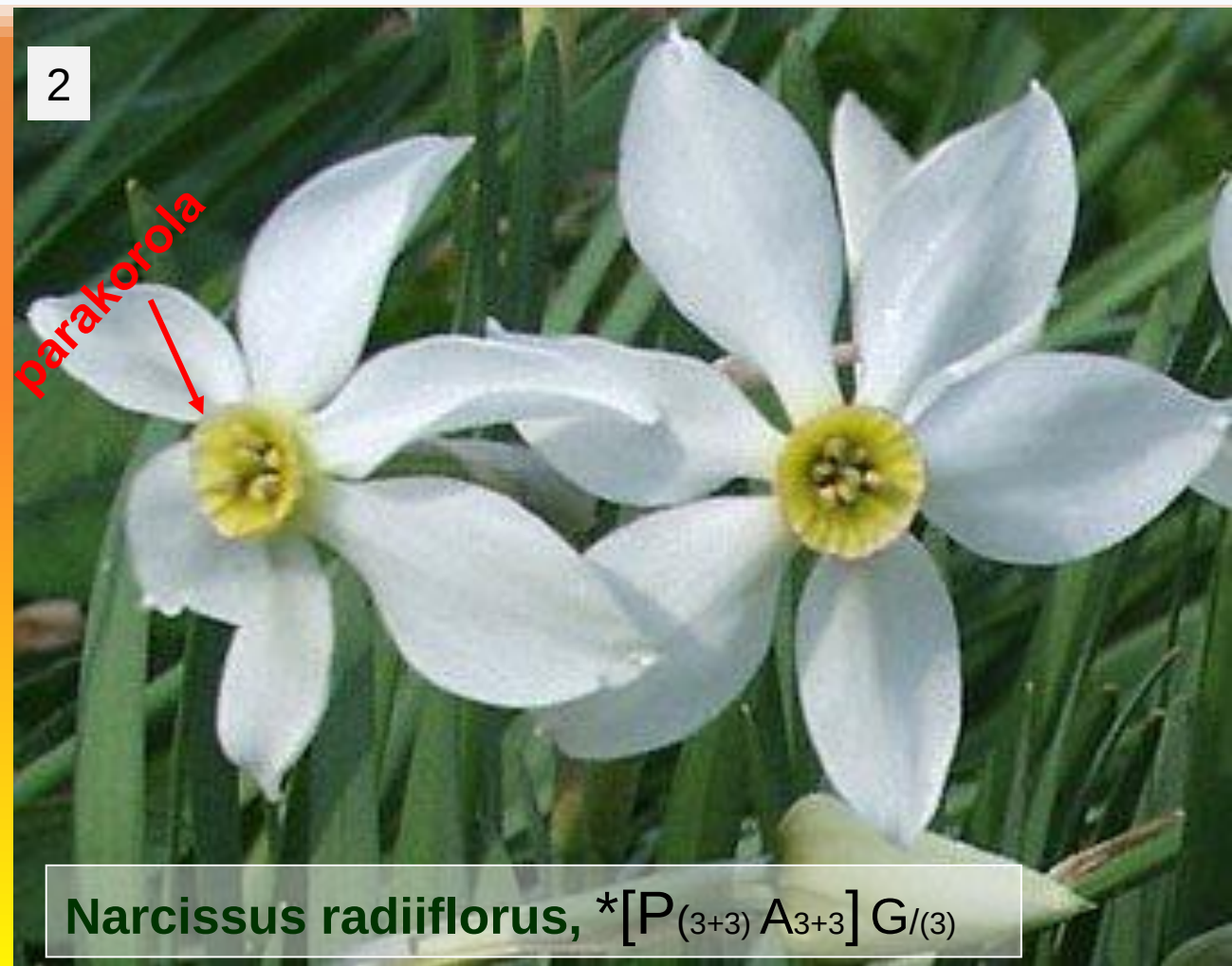
f. *Amaryllidaceae*



Leucojum aestivum, $*P_{3+3} A_{3+3} G_{/(3)}$

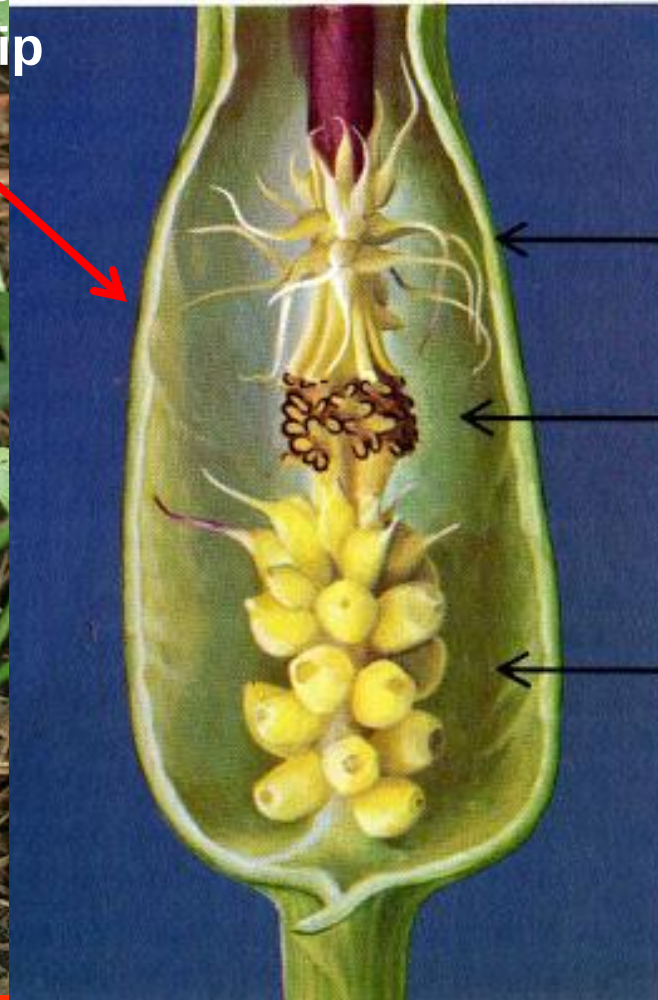


Galanthus nivalis, $*P_{3+3} A_{3+3} G_{/(3)}$



Parakorola izvodi porijeklo od prašničkih niti (1) ili cijevi vijenca (2)...

Araceae



Sterilni
muški cvijet

Muški cvijet

♂P₀A(2-4)

Ženski cvijet

♀P₀G₁



Asparagaceae

Subfam. Asparagoideae



Asparagus acutifolius- šparoga, $*[P_{(3+3)} A_{3+3}] G_{(3)}$

Subfam. Nolinoideae



Ruscus aculeatus- kostruika,

$*P_{(3+3)} A_{(3+3)} G_{(3)r}$

$*P_{(3+3)} (A_{3+3})^r G_{(3)}$

Subfam. Nolinoideae



Convallaria majalis- đurđevak



Polygonatum multiflorum

*[P₍₃₊₃₎ A₃₊₃] G₍₃₎

Subfam. Scilloideae





Scilla bifolia



Ornithogalum umbellatum – ptičje mlijeko

Agavaceae



Iridaceae

$[P_{3+3} A_3] G_{/(3)}$

Gladiolus palustris- gladiola

Zigomorfni cvijet

Iris pseudoacorus- iris

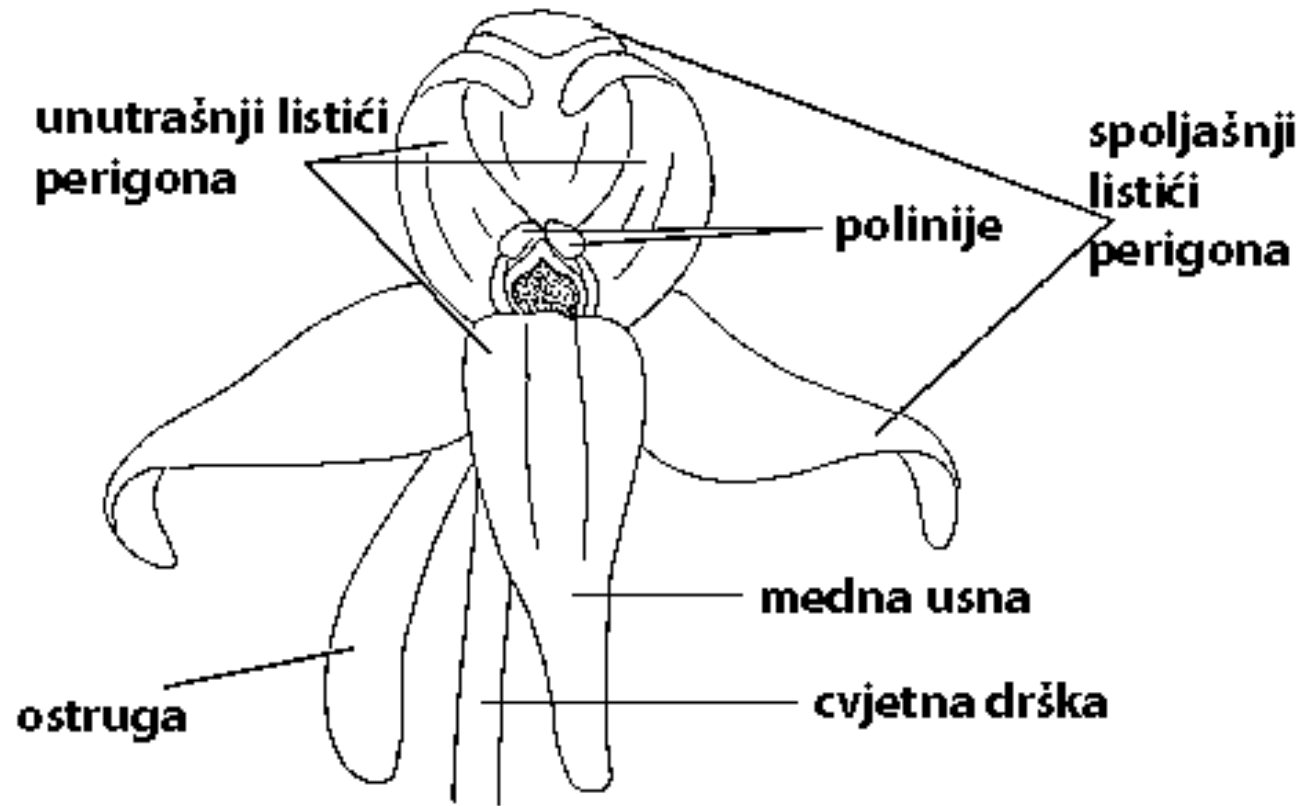
**3 spoljašnja lista perigona
prema nazad savijena**

Crocus dalmaticus- šafran



Romulea bulbocodium

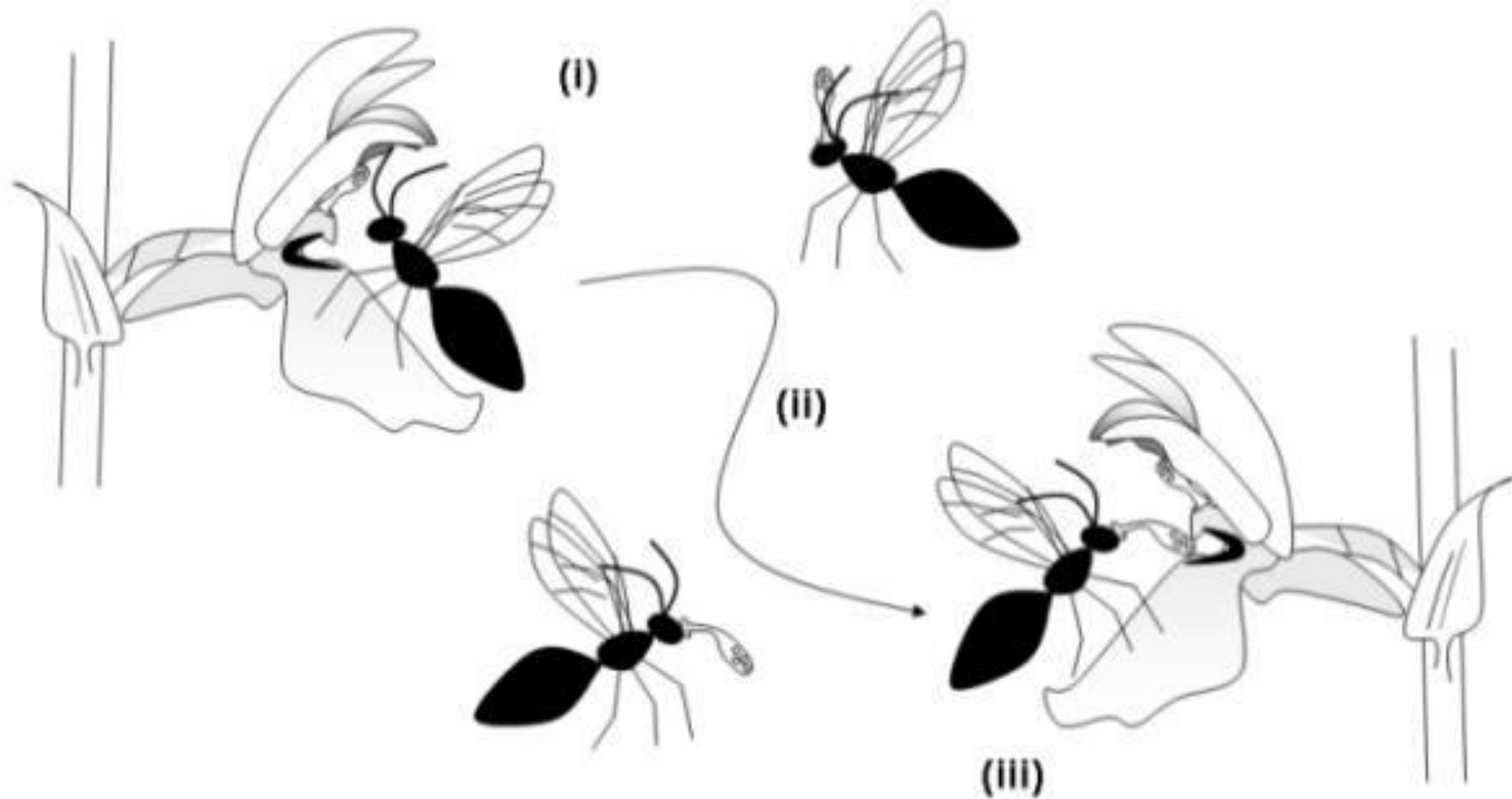
Orchidaceae



Subfam. Apostasioideae, $\uparrow/*P_{3+3} [A_{2-3} G_{/(3)}]$

Subfam. Cyripedioideae, $\uparrow P_{3+3} [A_{1^{st}+2} G_{/(3)}]$

Subfam. Orchideoideae, $\uparrow P_{3+3} [A_{1+2^{st}} G_{/(3)}]$



Mehanizam opašivanja



Himanthoglossum adriaticum

Medna usna sa
ostrugom!

Orchideoideae (Monoandre)

Anacamptis pyramidalis





Orchis papilionacea



Orchis morio

***Ophrys insectifera* - pčelica**

**Medna usna
bez ostruge!**



***Ophrys cornuta* - pčelica**



***Ophrys bertolonii* - pčelica**





Neottia nidus-avis- ptičje gnijezdo



Spiranthes spiralis - zasukica



Serapias sp.

Cypripedioideae
(Diandre)



Cypripedium calceolum – gospina papučica