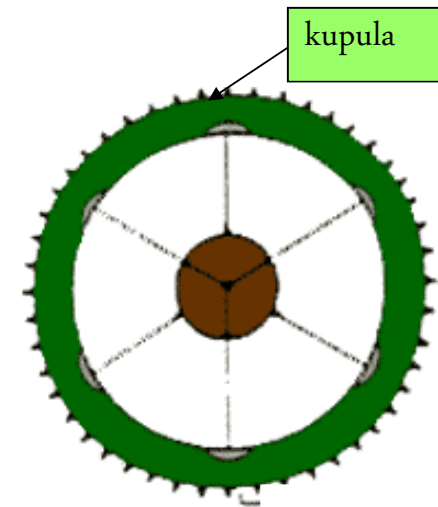


# Fagaceae

*Fagus sylvatica* - bukva,



Ženski cvijet

\*♀P(3+3) G/(3)

\*♂P(3+3) A8-12



Muški cvijet

Castanea sativa- koštanj



Muška cvast

Bodljikava kupula



Tri oraščice u kupuli

\*♀P3+3 G/(6)

\*♂P(4-6) A6-15



Quercus sp.  
hrast

\*♀P3+3 G/(3)

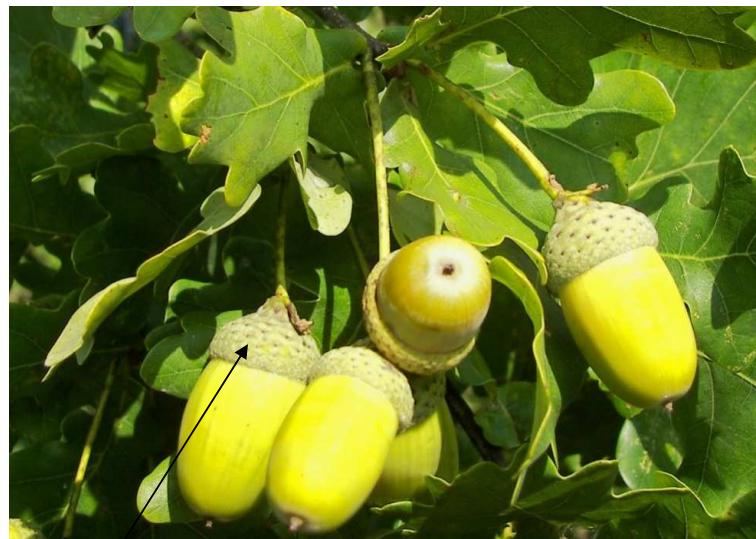
\*♂P(4-6) A6-12

resa sa muškimi  
cvjetovima



Ženski  
cvjetovi

Kupula sa  
jednom  
oraščicom



## Naši nativni/autohtoni hrastovi

*Q. coccifera*- hrast prnar

*Q. ilex*- hrast crnika

*Q. trojana* (syn. *Q. macedonica*)- trojanski, makedonski hrast

*Q. pubescens*- hrast medunac

*Q. cerris*- cer

*Q. robur*- lužnjak

*Q. petraea*- kitnjak

*Q. frainetto*- sladun

# Betulaceae

\*♂P<sub>4</sub> A<sub>4</sub>, \*♀P<sub>4</sub> G/(2)

g. Betula (breza)

\*♂P<sub>2</sub> A<sub>2</sub>, \*♀P<sub>2</sub> G/(2)

g. Corylus (lijeska)

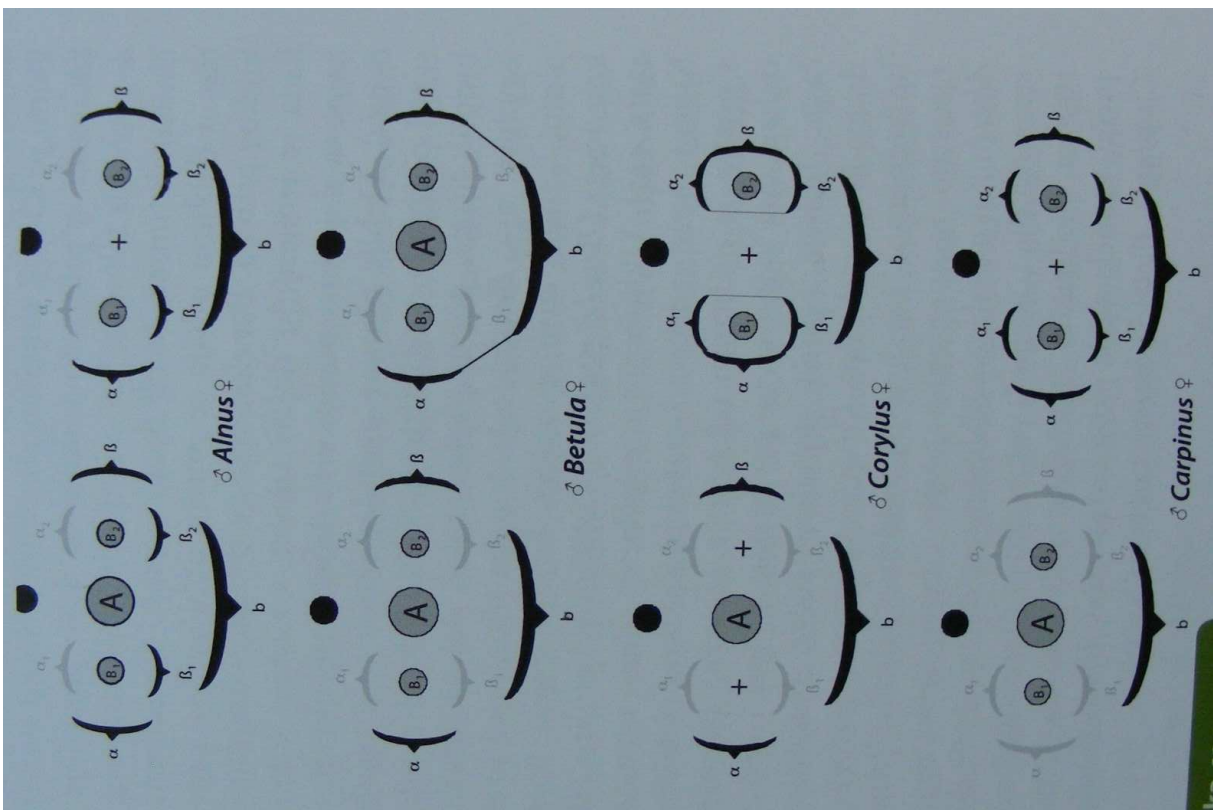
\*♂P<sub>0</sub> A<sub>4</sub>, \*♀P<sub>4</sub> G/(2)

g. Alnus (jova)

\*♂P<sub>(4)</sub> A<sub>4</sub>, \*♀P<sub>2</sub> G/(2)

g. Carpinus \*♂P<sub>0</sub> A<sub>4-10</sub>, \*♀P<sub>6</sub> G/(2)

g. Ostrya (grabovi)



Betula pendula- breza



Ženska resa

Muška resa



Alnus sp.- jova



Alnus glutinosa



Muška resa

Ženska šišarica

# Corylus avellana, lijeska

Ženski  
cvjetovi sa  
crvenim  
Žigovima



Muška resa







Muška resa

*Carpinus* sp.-grab

Oraščica sa krilatim  
pricvjetnim listićima  
koji pomažu  
rasijavanje



*Carpinus betulus*, obični grab



*Carpinus orientalis*, bjelogabić



*Ostrya carpinifolia*, crni grab



Krilata oraščica

# Juglandaceae

Juglans regia, orah

\*♀P<sub>(4)</sub> G/(2)

\*♂P<sub>3-6</sub> A<sub>8-40</sub>



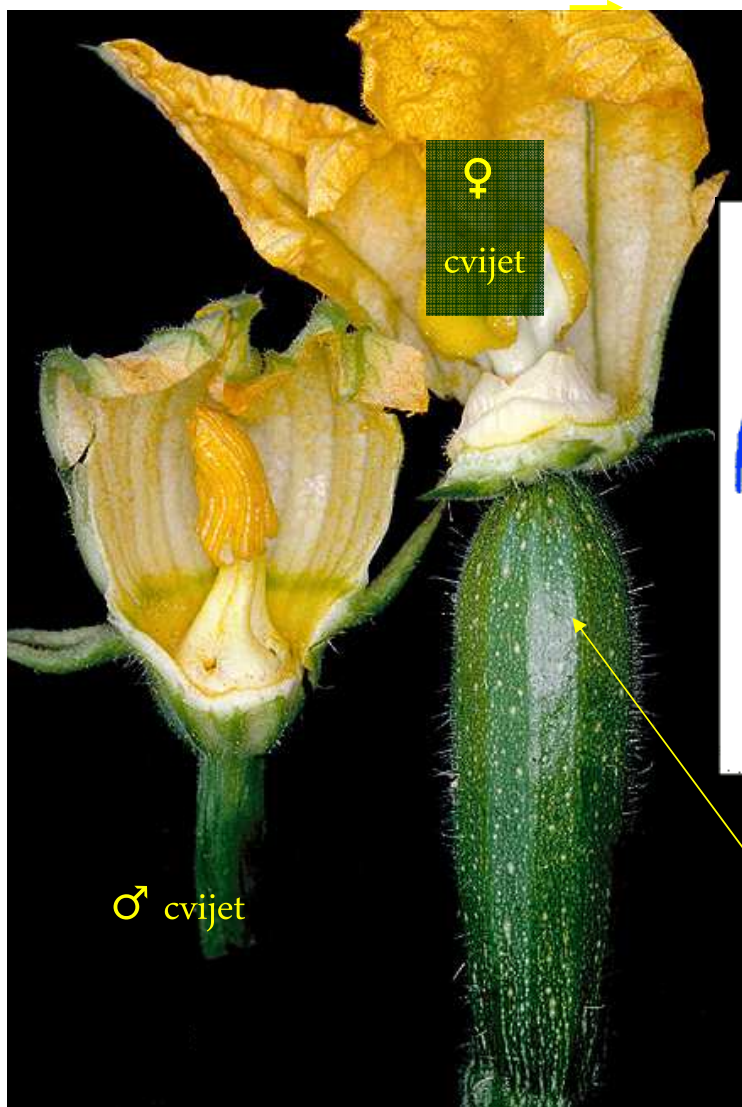
Muške rese

Plod je  
koštunica!!!



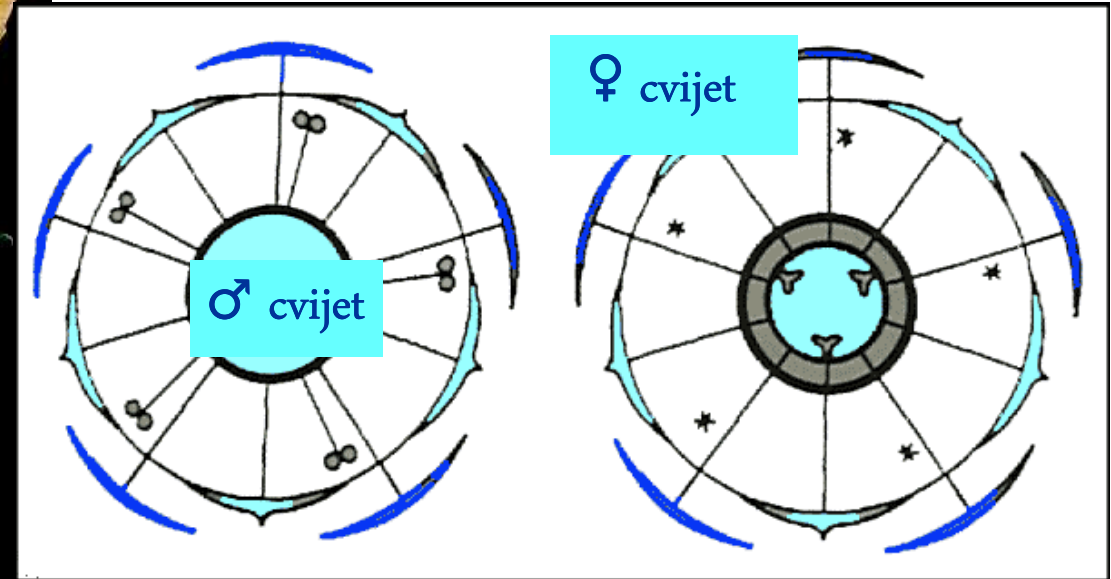
Ženski cvijet

Cucurbitaceae = tikve



♀  
cvijet

♂ cvijet



Podcvjetna plodnica

*Cucurbita pepo* = tikva



*Cucumis sativus* = krastavac



*Ecbalium elaterium*=  
ludi krastavac



*Bryonia dioica*

Malvide

Capparaceae K4 C4 A $\infty$  G(2)



Dvojan, tetrameran perijant

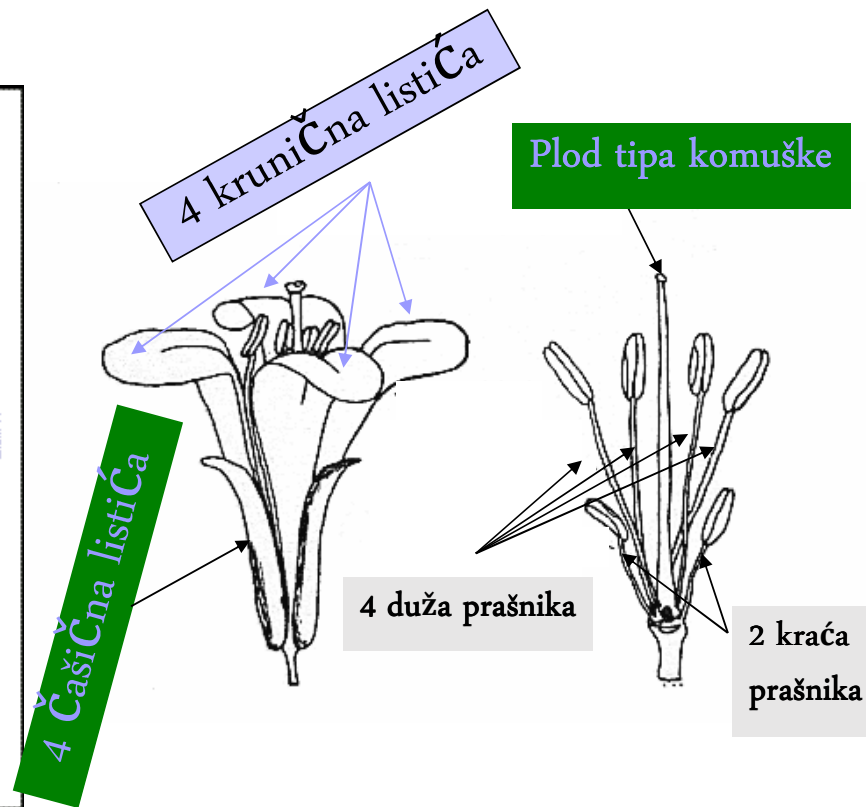
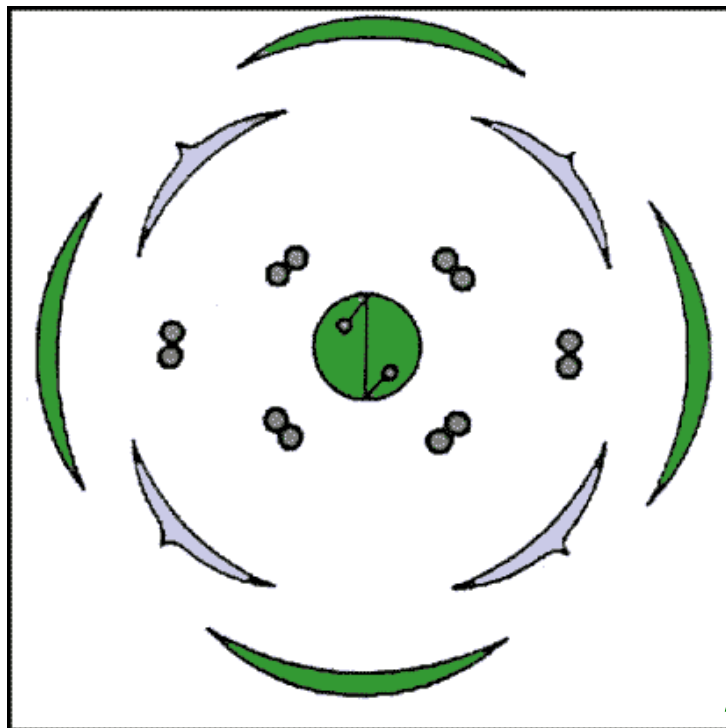
poliandrija

Postojanje ginofora,  
nosača plodnica

*Capparis spinosa*  
kapra

# Brassicaceae

K4 C4 A2+4 G(2)





Plod tipa kumuške

*Brassica oleracea- kupus.*



*Raphanus sativus- rotkvica*





*Sinapis alba- slaČica (senf)*



*Cochlearia armoracia- ren*





*Cardamine spp.*



*Sisymbrium officinale*

Arabis spp., Rorippa spp., Alliaria spp.

Plod tipa komuščice



*Alyssum spp.*



*Aethionema spp.*



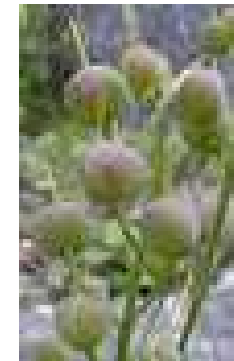
*Thlaspi spp.*



*Biscutella spp.*



*Capsella spp.*



*Alyssoides spp.*

# Resedaceae

g. *Reseda* \*K4-6 C4-6 A $\infty$  G(3-4)



# Geraniaceae

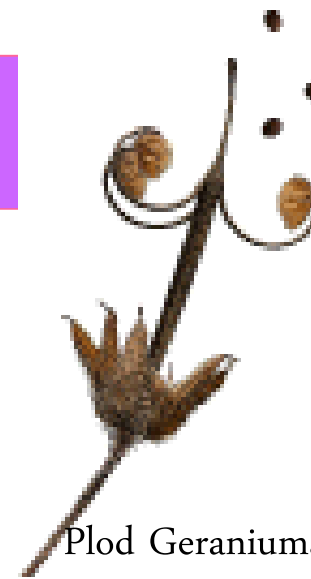
*Geranium purpureum*

\* K5 C5 A5 + 5 G(5)

\* K5 C5 A0 + 5 G(3)

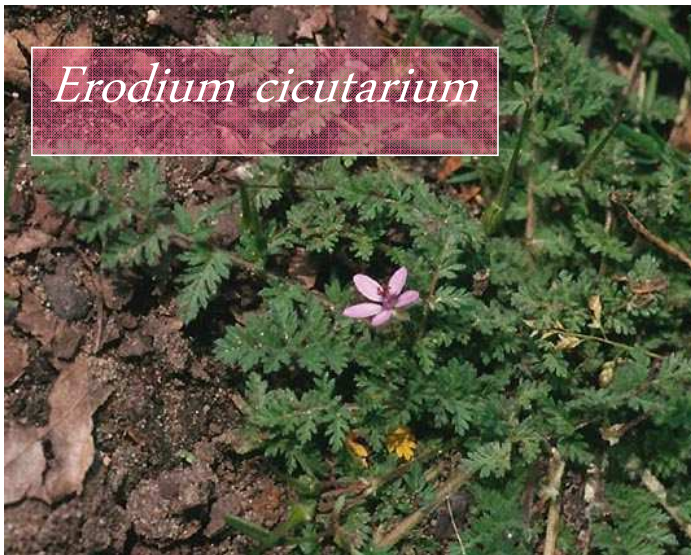
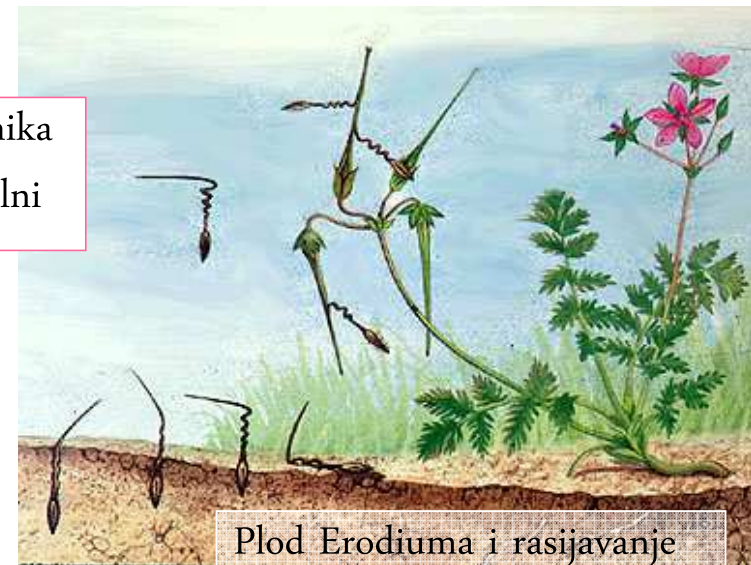
Svih 10 prašnika  
su fertilni

šizokarpijum



*Erodium cicutarium*

5 prašnika  
su fertilni



# Malvaceae

\*K<sub>5</sub> [C<sub>5</sub> A<sup>(∞)</sup>]G<sup>(∞)</sup>



Hibiscus spp.



Gossypium spp.-  
pamuk





# Cistaceae

\*K<sub>3-5</sub> C<sub>3-5</sub> A<sub>∞</sub> G<sub>(3-5)</sub>



Helianthemum spp.

Čašica od 3-5 nejednakih listića, listići krunice lako otpadaju, prašnika mnogo, plodnica sinkarpna ...

# Tiliaceae

\*K<sub>5</sub> C<sub>5</sub> A<sub>∞</sub> G(5)



*Tilia cordata*

Priperak = listić srastao za dršku cvasti

Čuperak kafenkastih dlačica pri bazi lista



*Tilia platyphyllos*

# Thymelaeaceae



Myrtaceae \*K4-5 C4-5 A $\infty$  G/(2)



# Lythraceae

\*[K6 C6] A 6+6 G (2)



Lythrum salicaria



heterostilija

časića prividno cjevasta



Punica granatum



Mnogosjemena bobica

**\*[K5-8 C5-8 A<sup>∞</sup>] G/(7-15)**



\*K4 C4 A4 G(2)

Trapa natans- kasarolja

# Onagraceae (=Oenotheraceae)

\*K2-4 C2-4 A4+4 G/(2-5)

*Oenothera biennis*

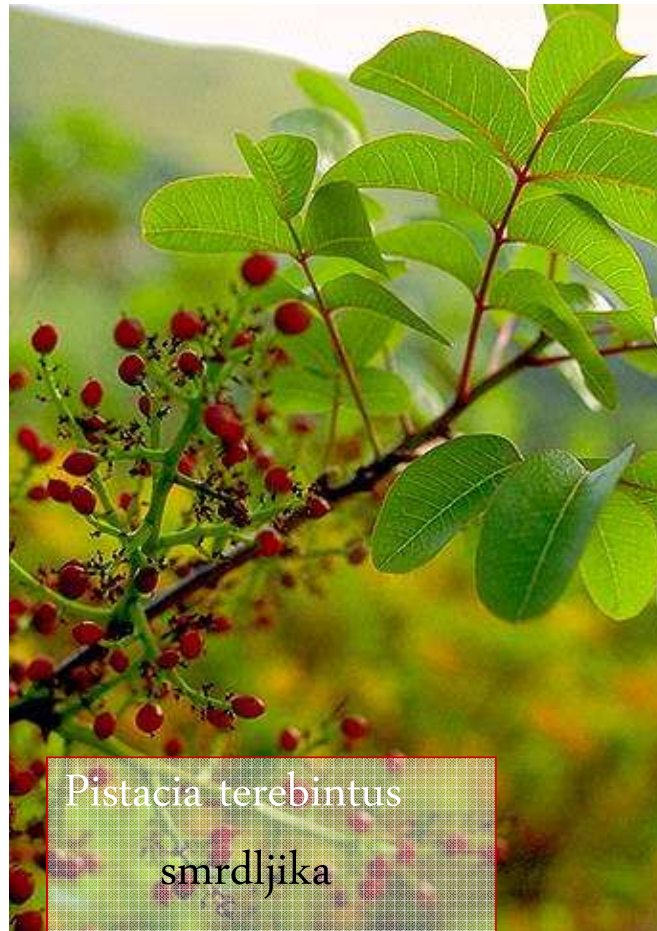


*Epilobium angustifolium*  
(kiprovina)



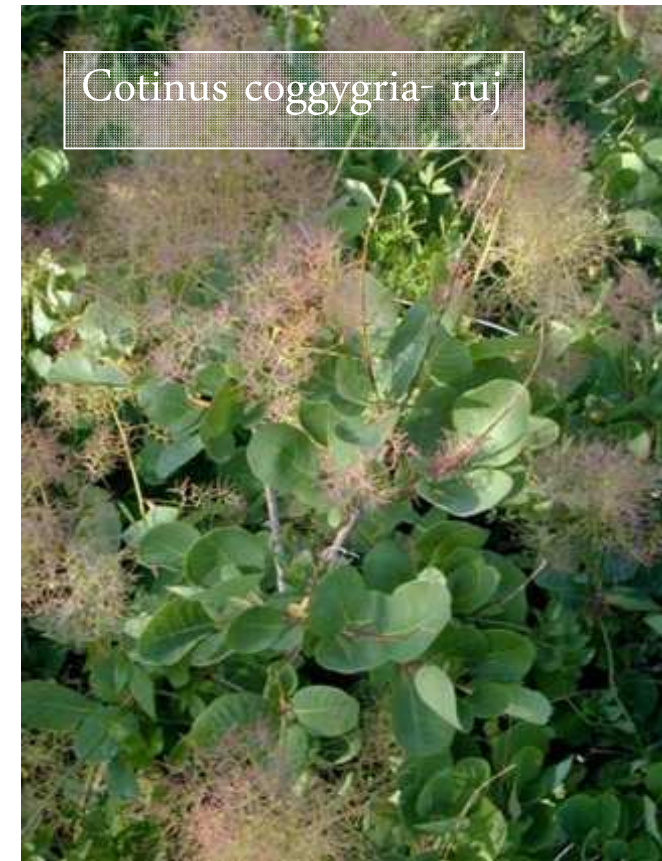
# Anacardiaceae \*K5 C5 A5-10 G(1-3)

*Pistacia lentiscus* - tršlja



*Pistacia terebintus*  
smrdljika

*Cotinus coggygria* - ruj



# Rutaceae

\*K4-5 C4-5 A4-10 G(4-5)



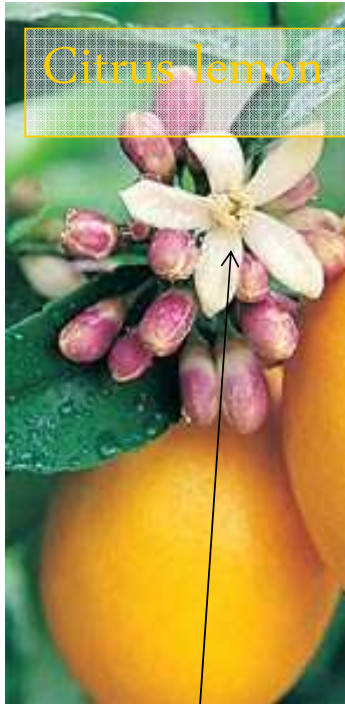
Ruta graveolens

Intrastaminalni disk



Dictamnus albus





**Puno prašnika  
sraslih u cijev**



Aceraceae K5 C5 A8-10 G(2)

*Acer campestre- poljski javor*



*Acer monspessulanum*



*Acer platanoides*



Krilati šifokarpium

# Hippocastanaceae



Čaura

Simaroubaceae



*Ailanthus altissima*, kiseljak

K<sub>5</sub> C<sub>5</sub> A<sub>(5+5)</sub> G<sub>(5)</sub>

Meliaceae K<sub>5</sub> C<sub>5</sub> A<sub>(5+5)</sub> G<sub>(5)</sub>

