

# Vježba 7. i 8.

Divisio: **EUMYCOTA**

Subdivisio: **ZYGOMYCOTINA**

Classis: **ZYGOMYCETES**

Ordo: **MUCORALES**

- *Mucor mucedo*

- *Rhizopus stolonifer*

**Divisio: EUMYCOTA**

**Subdivisio: DEUTEROMYCOTINA**

**Classis: HYPHOMYCETES**

- *Aspergillus* sp.
- *Penicillium* sp.
- *Cercospora beticola*
- *Helminthosporium turcicum*
- *Helminthosporium gramineum*

**Classis: COELOMYCETES**

- *Phoma betae*
- *Ascochyta pisi*

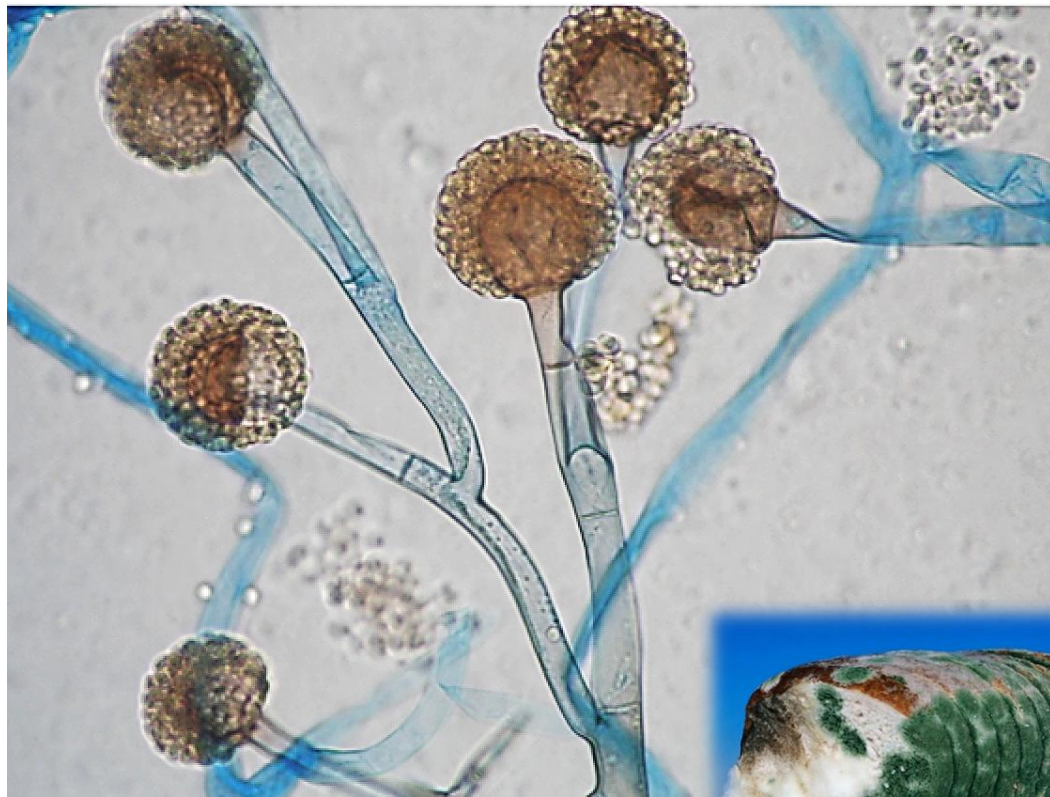
**Subdivisio: Zygomycotina**

*Mucor mucedo*

makroskopski izgled



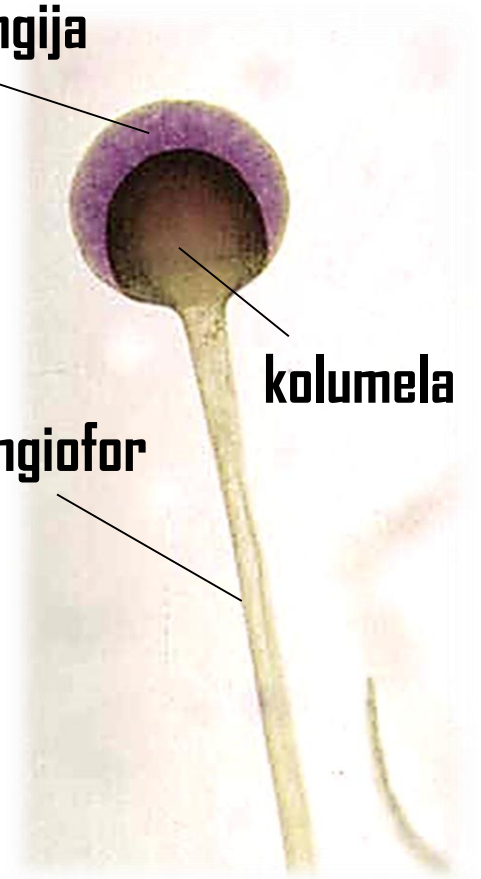




sporangija

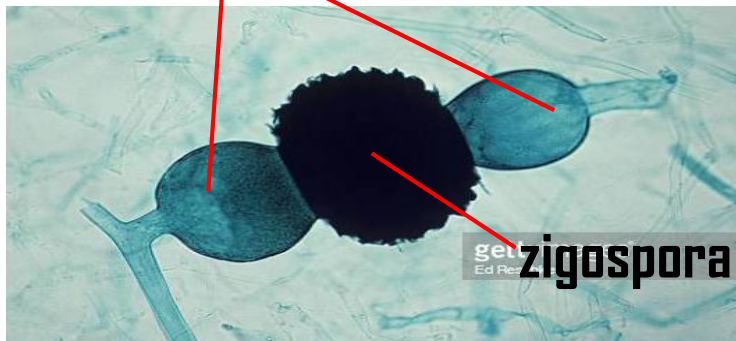
kolumela

sporangiofor



zigofori

zigospora



*Mucor mucedo*

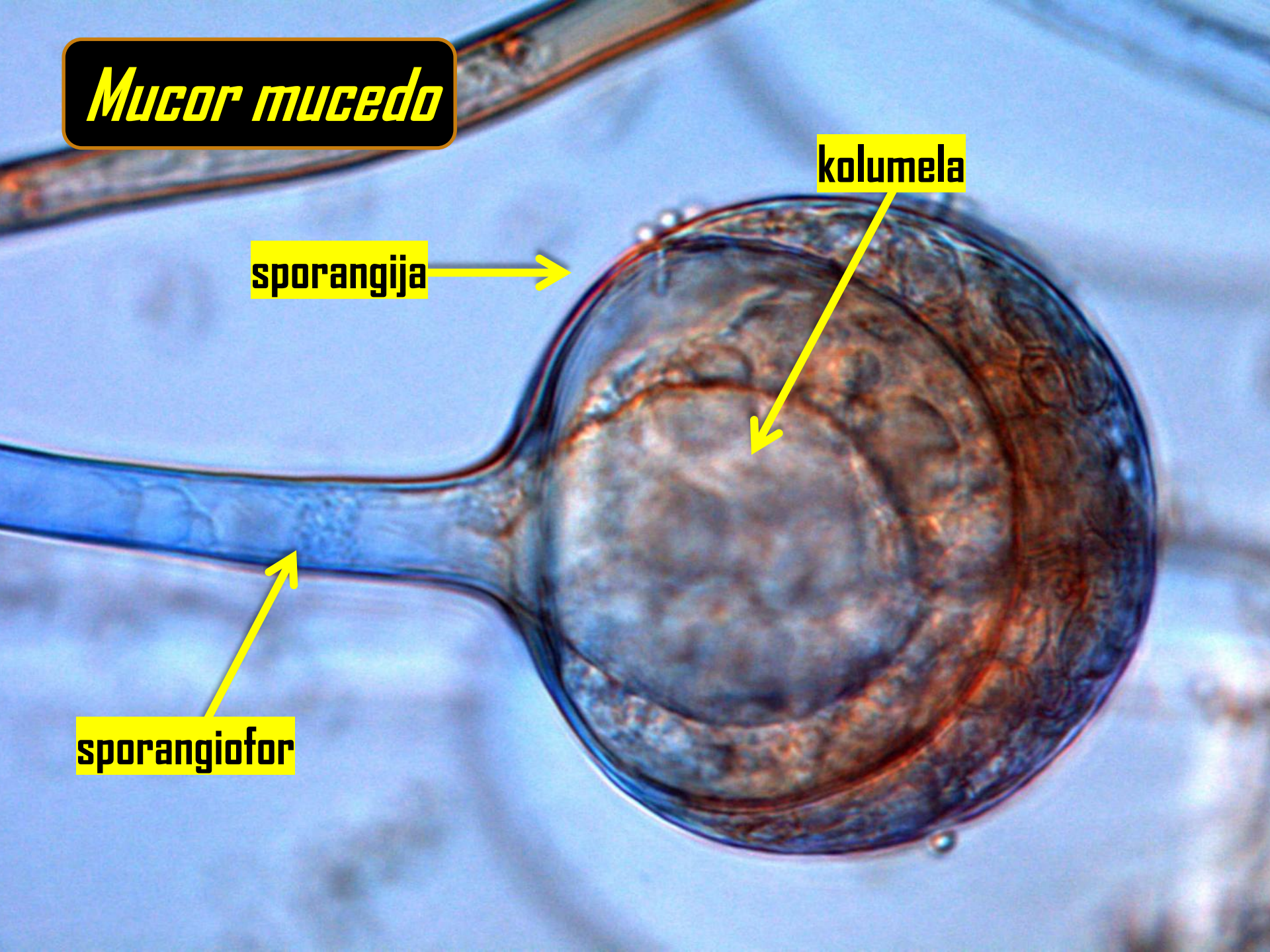


***Mucor mucedo***

sporangija

kolumela

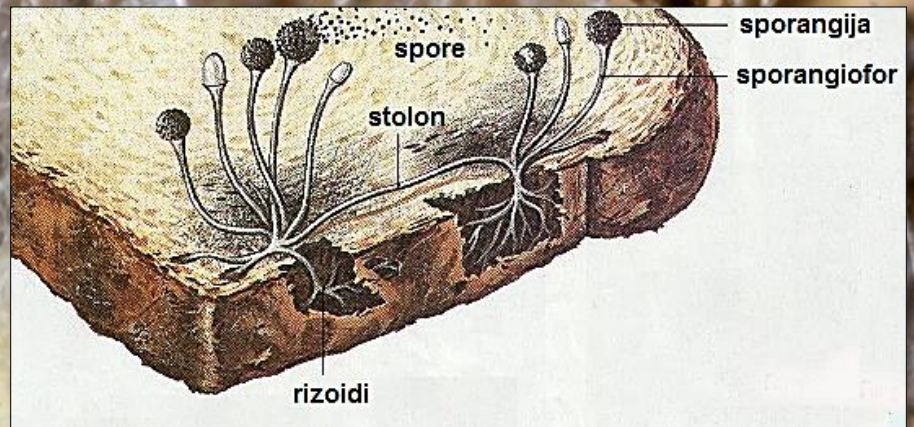
sporangiofor





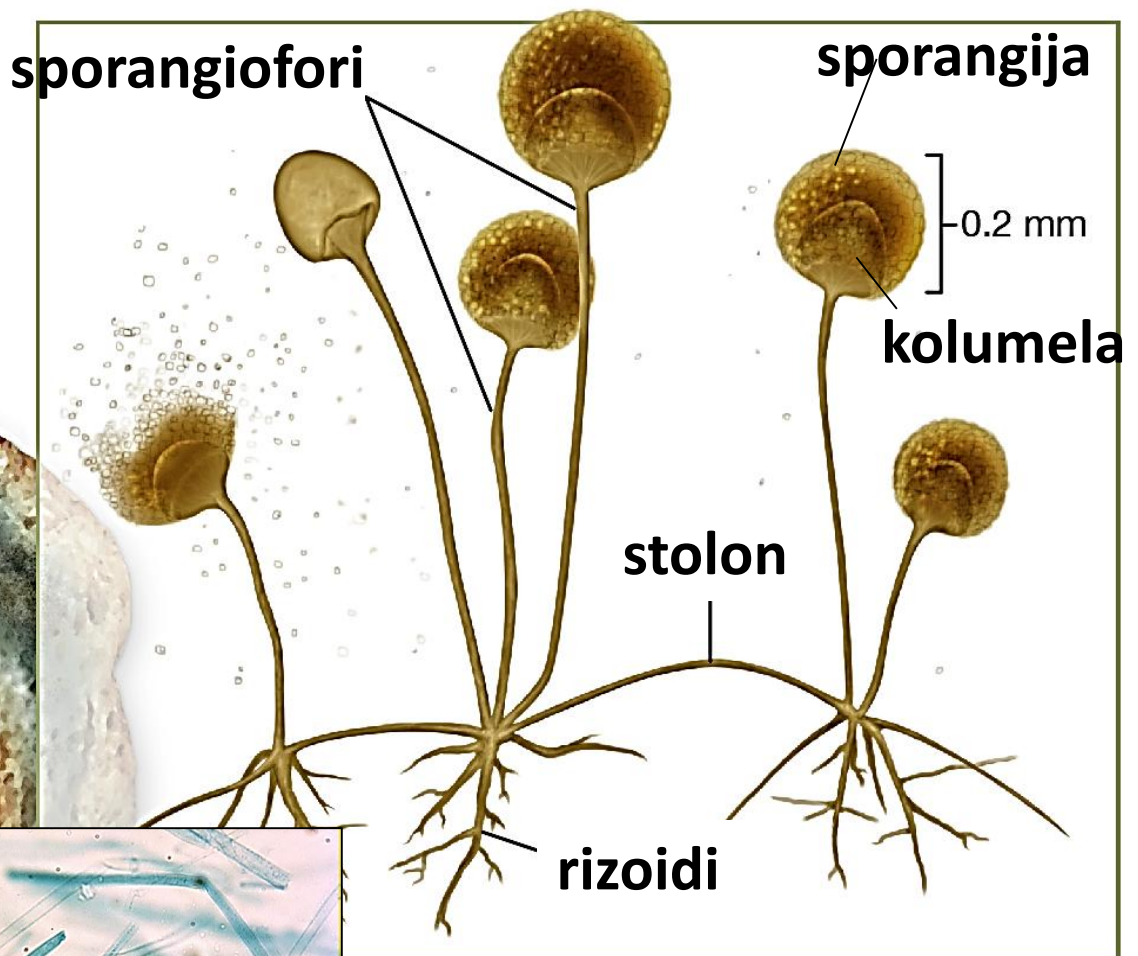
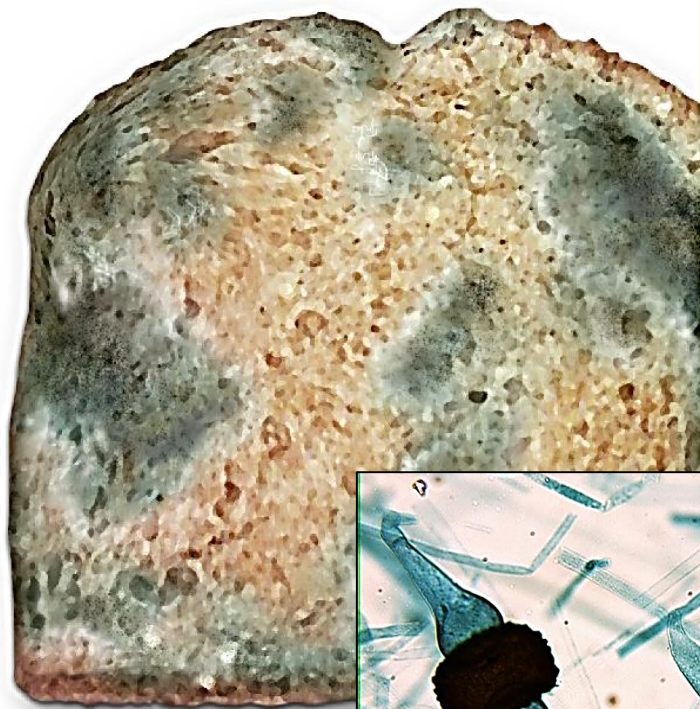


# *Rhizopus stolonifer*





# *Rhizopus stolonifer*

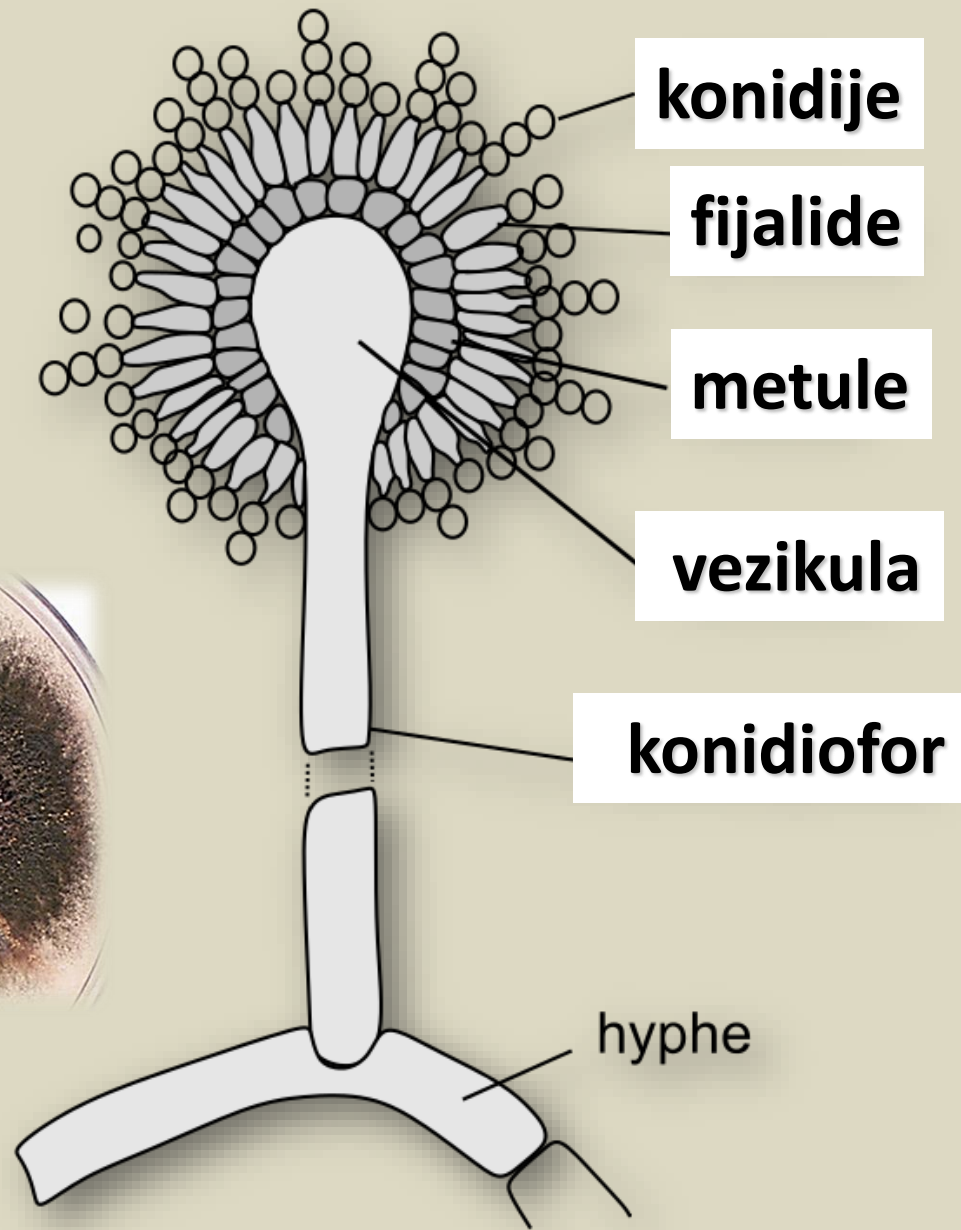




**Subdivisio: DEUTEROMYCOTINA**

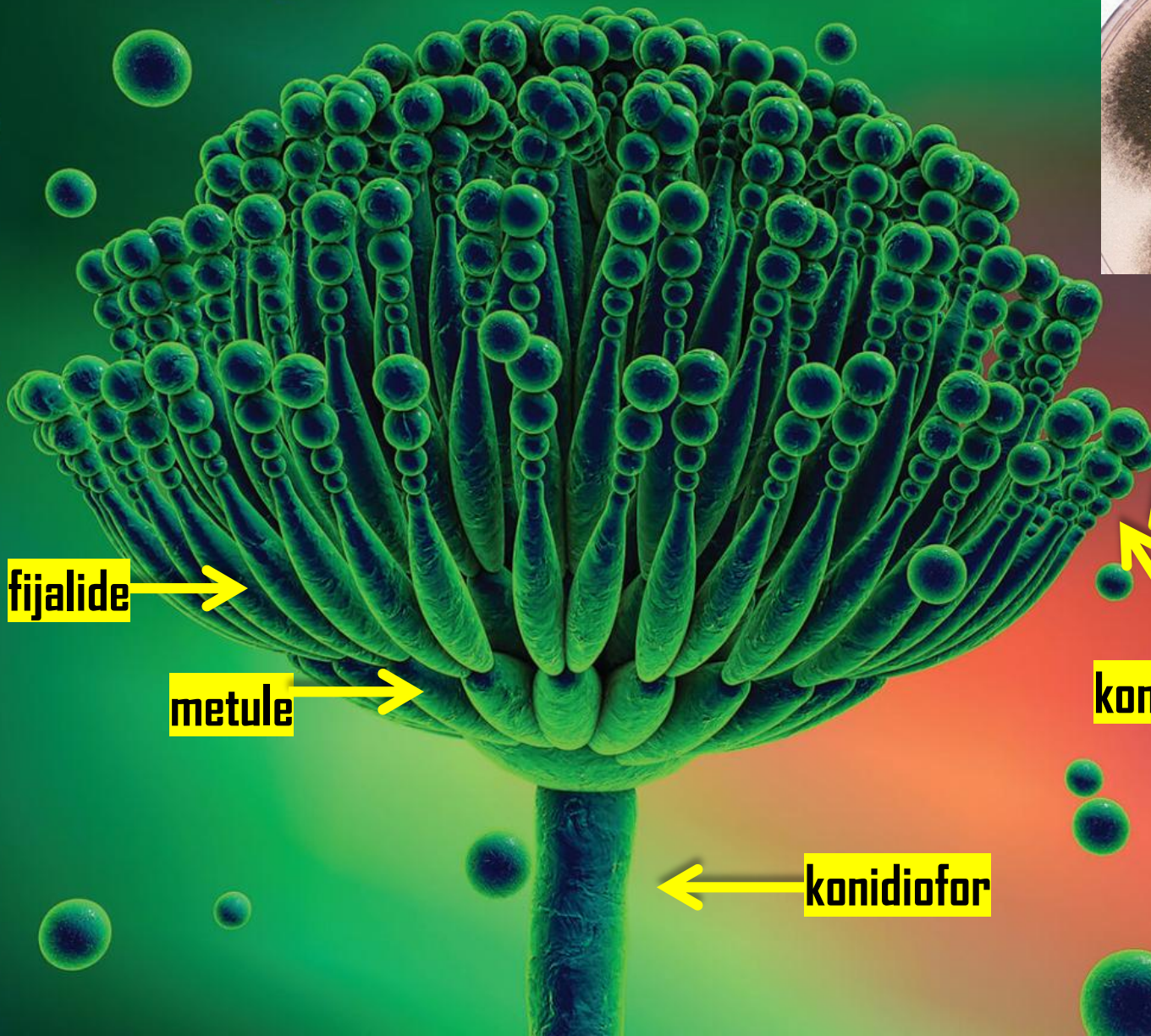
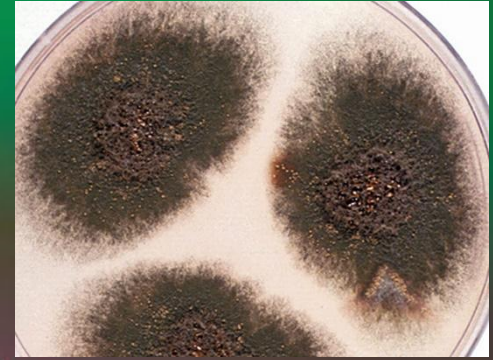
***(fungi imperfecti)***

# Aspergillus sp. - građa konidijskog aparata





# *Aspergillus* sp.



fijalide

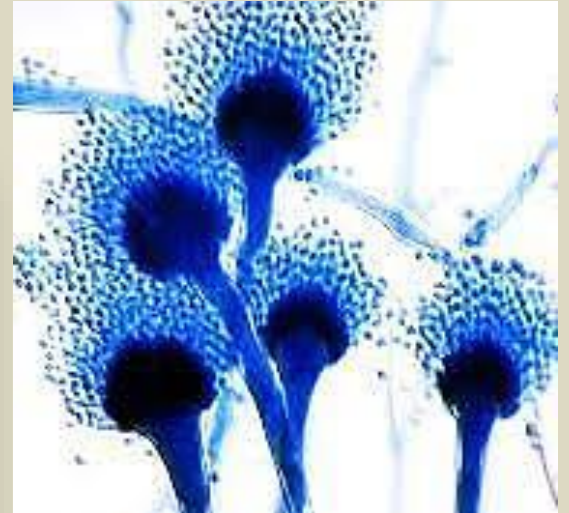
metule

konidije u nizu

konidiofor



# Aspergillus sp.

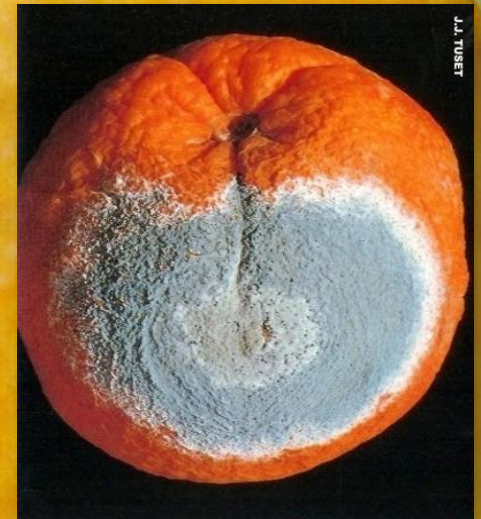
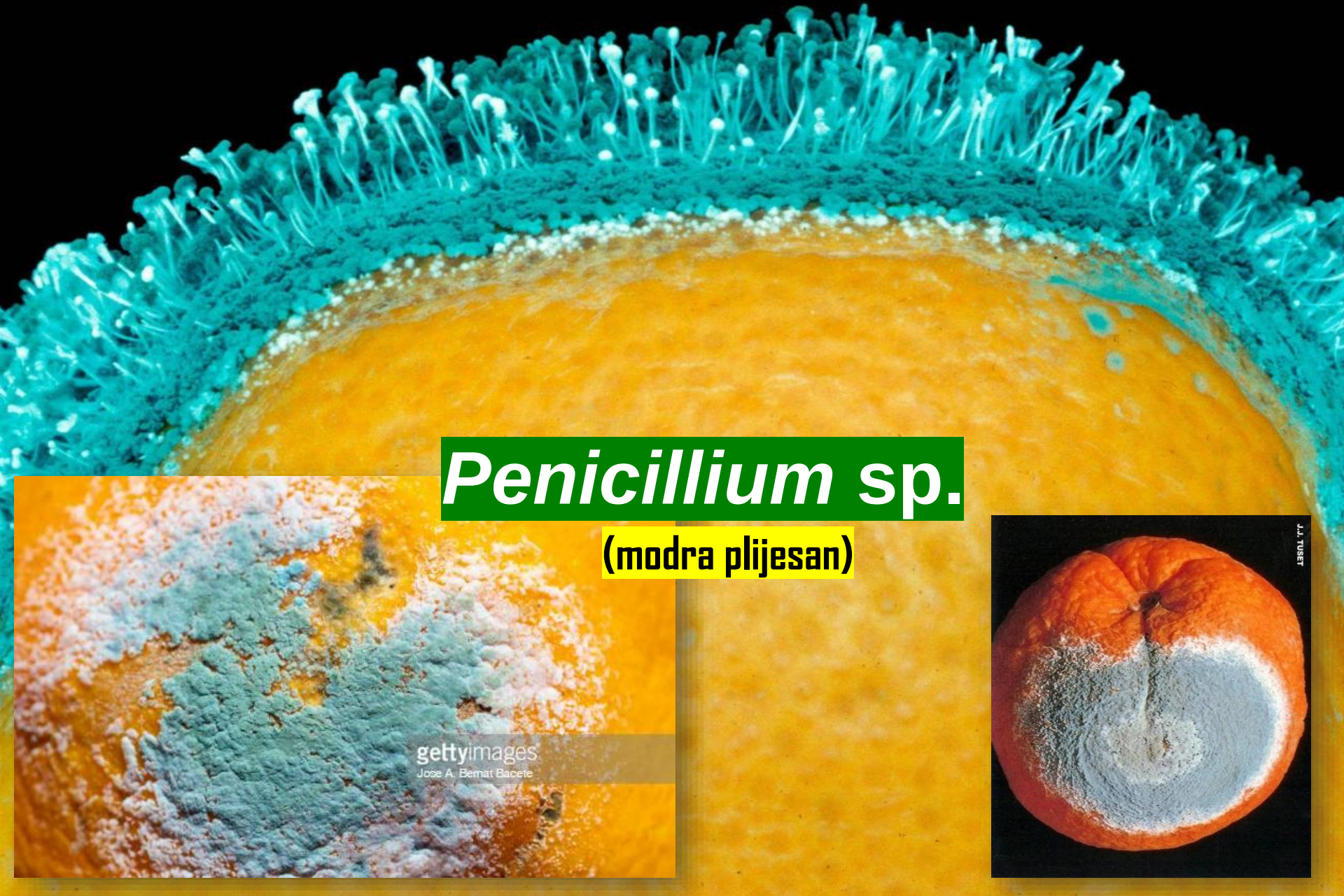




*makroskopski izgled*

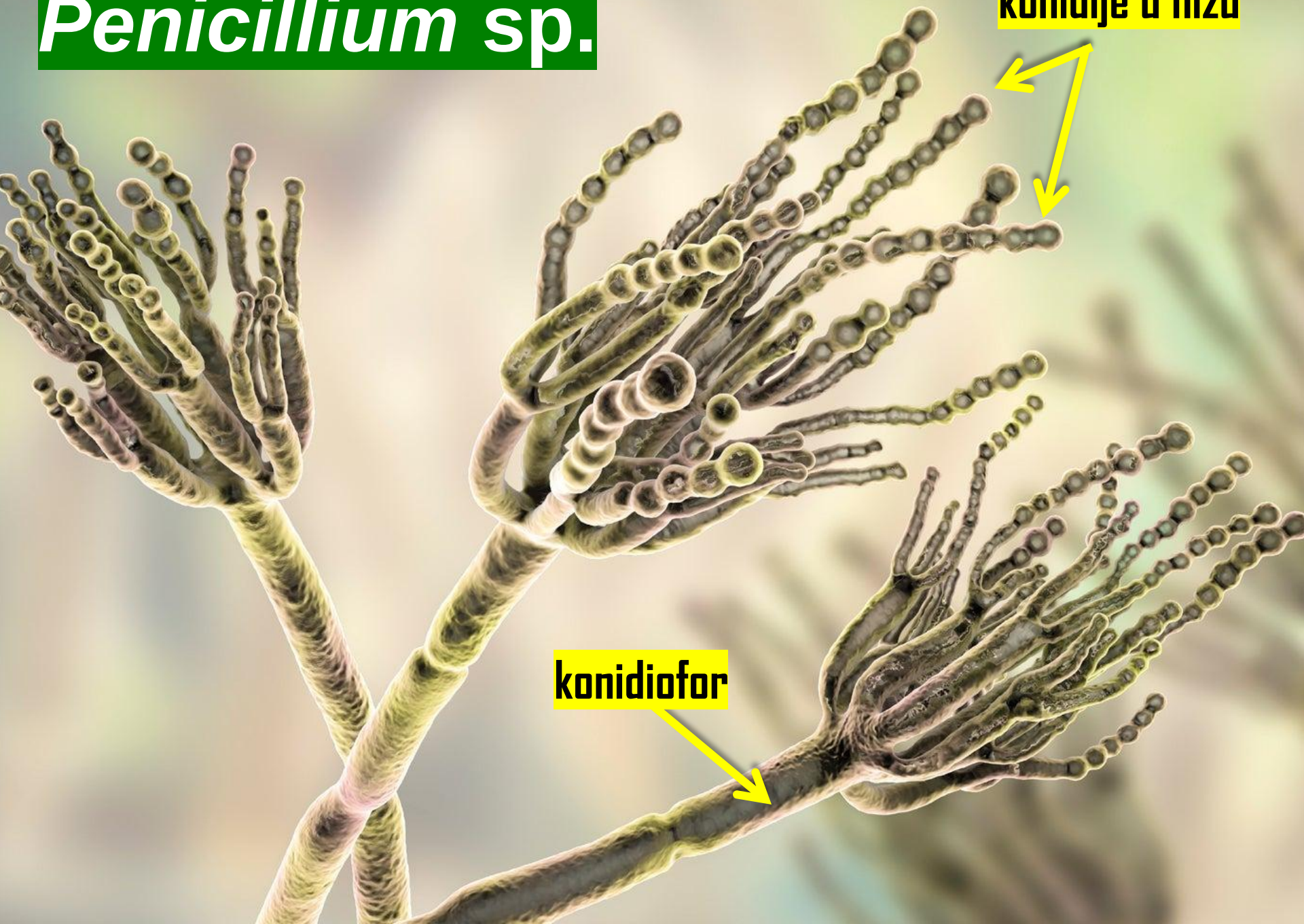
*Penicillium* sp.

(modra plijesan)



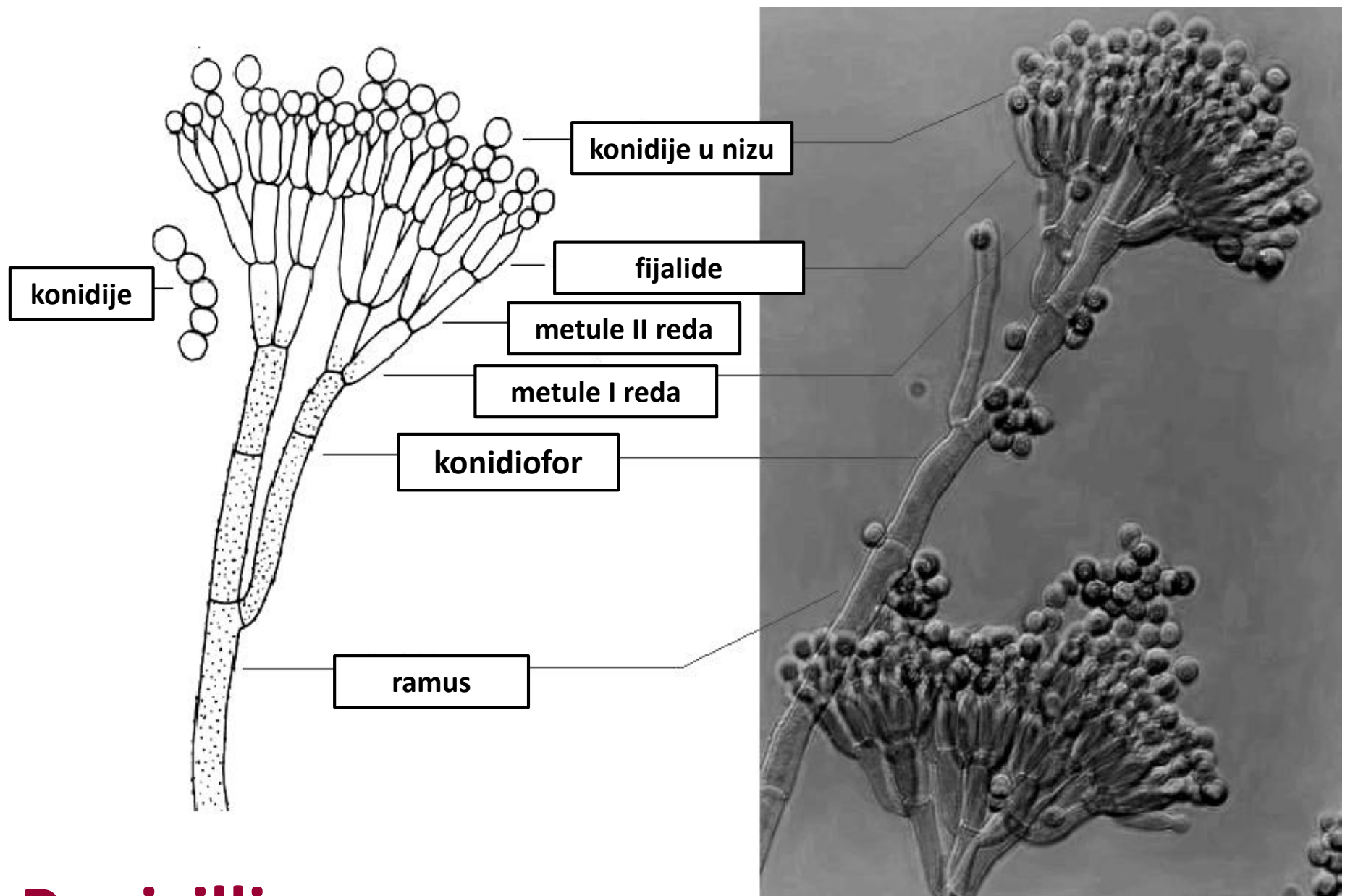


# *Penicillium* sp.



konidije u nizu

konidiofor

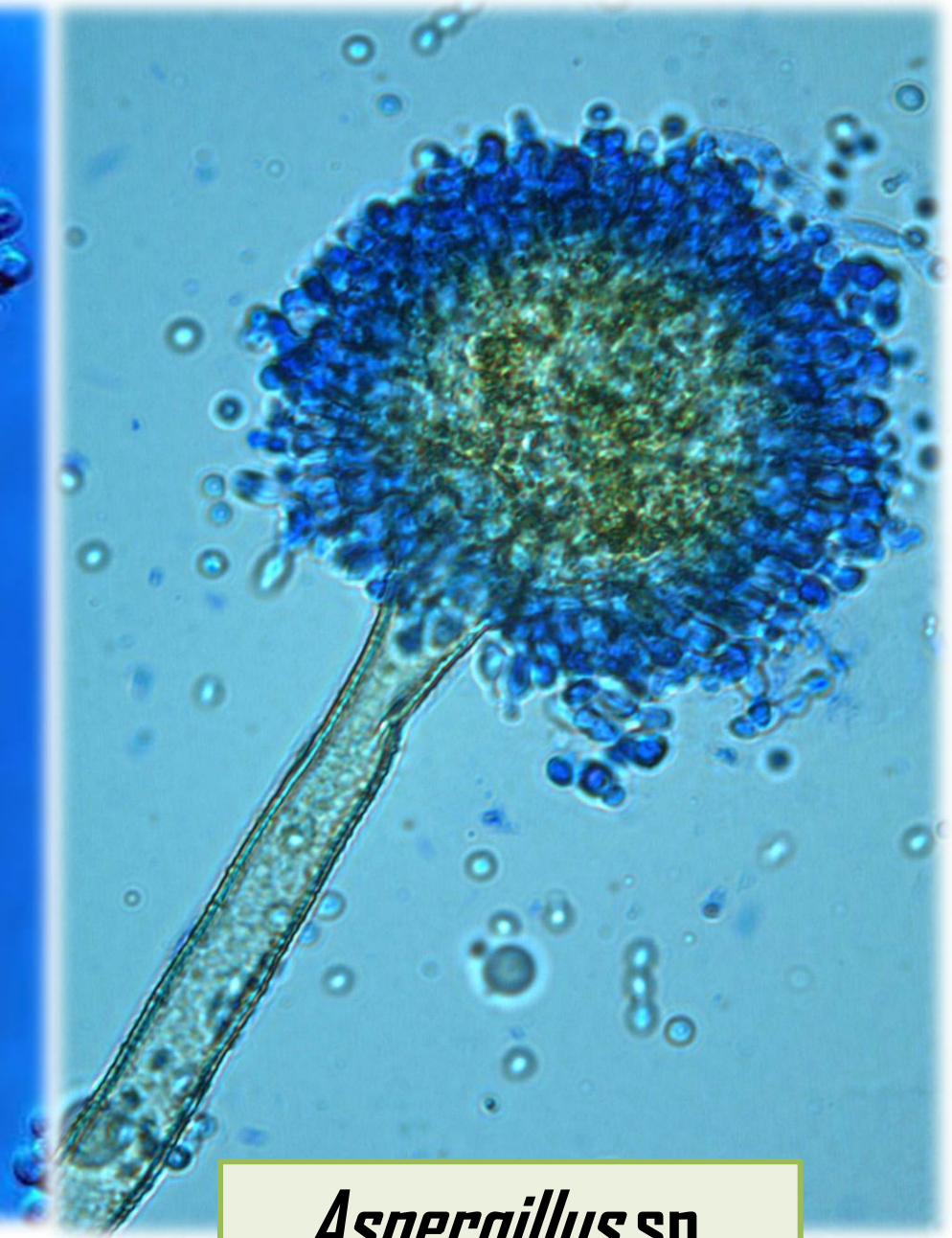


**Penicillium sp.** - građa konidijskog aparata





*Penicillium* sp.



*Aspergillus* sp.





*Helminthosporium turcicum*

**Syn.**

*Setosphaeria turcica*

*Exserohilum turcicum*



*Helminthosporium*  
*turcicum*



konidije



# *Helminthosporium gramineum*

**Syn.**

***Pyrenophora graminea***





***Helminthosporium gramineum***



**konidije**



# *Cercospora beticola* (na listu repe)





*Cercospora beticola* (na listu repe)



konidije

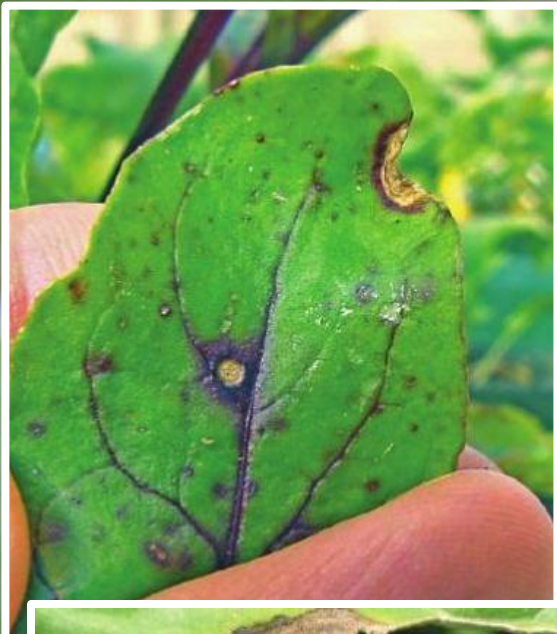




*Phoma betae* (na listu repe)



***Phoma betae*** (na listu repe)





***Ascochyta pisi***  
(na mahunama graška)





***Ascochyta pisi***  
(na listu graška)





# *Ascochyta pisi*

promjene na različitim organima domaćina

