

# FUBSIE – Fiziološki učinci biljnih spojeva i ekstrakata

Za koga?  
Kolegij je ponuđen za studente 2. godine eksperimentalne biologije no otvoren je za sve koje sadržaj kolegija zanima....



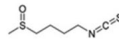
Što ćete naučiti?

Što su fitokemikalije, o njihovom metabolizmu u organizmu (koliko zaista dobijemo od njihovog unosa), na koje molekularne puteve utječu, koje su sve metode za njihovu ekstrakciju, kako se može dokazati njihova antioksidacijska i antitumorska aktivnost....i što kaže tradicionalna medicina

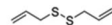
Predavači/izvođači:  
Sandra Radić Brkanac (PMF)  
Marijana Radić Stojković (IRB) + još s IRB-a

Kako je zamišljen.....  
Predavanja, nakon toga vježbe (većinom na IRB),  
Seminari – evaluacija radova, PPT + proizvod TRADICIONALNE MEDICINE....

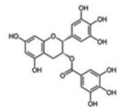
Broccoli Sulphoraphane



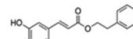
Garlic Diallyl sulphide



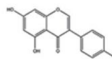
Green Tea Epigallocatechin-3-gallate



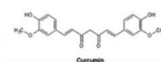
Honey Caffeic acid phenethyl ester



Soybeans Genistein



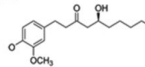
Tumeric Curcumin



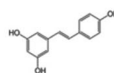
Cabbage Sindole-3-carbinol



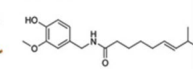
Ginger Gingerol



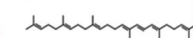
Grapes Resveratrol



Chilli peppers Capsaicin



Tomatoes Lycopene

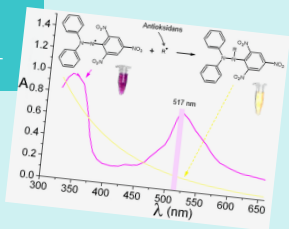




# Vježbe – 15 sati, no kondenzirano

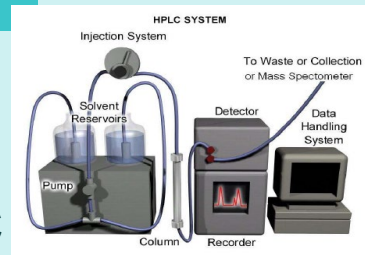


01



Ekstrakcija - priprema biljnog ekstrakta i antioksidacijska aktivnost

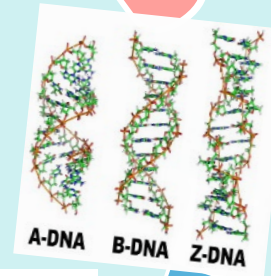
02



HPLC

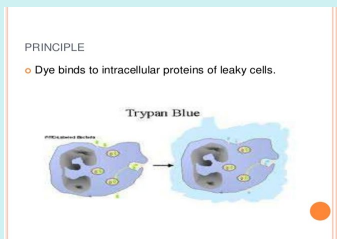
03

NEkovalentne interakcije ekstrakata i/ili spojeva s dvolančanim (dl-) DNA/RNA – puno metoda



04

Citotoksičnost- metoda izbora



05 06

Izrada proizvoda

