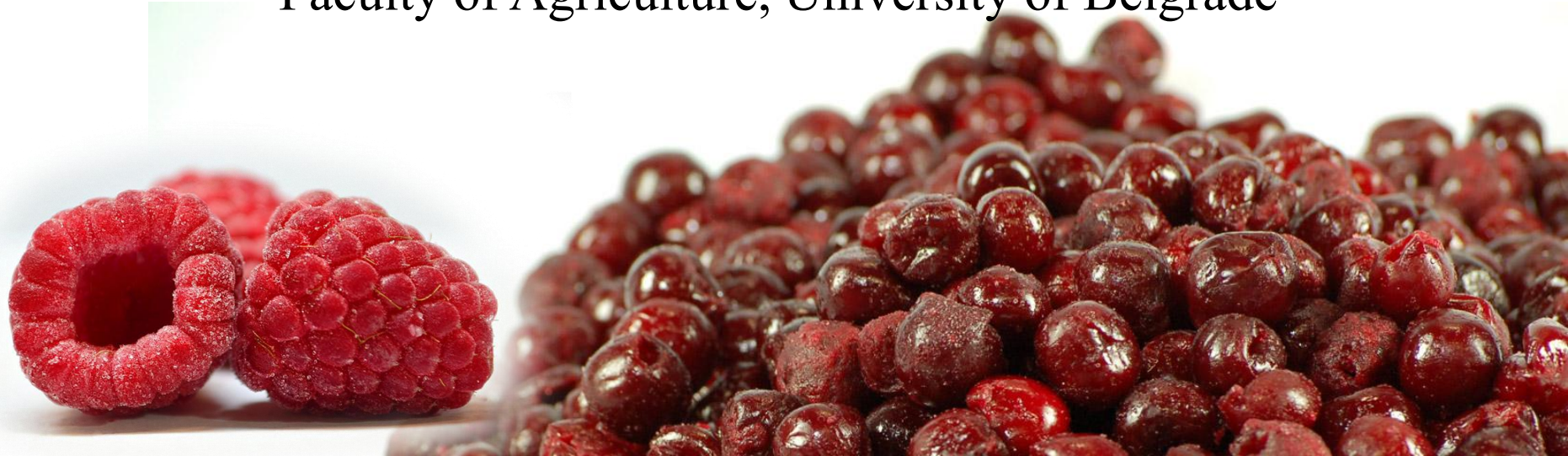




# COUNTRY REPORT

## SERBIA

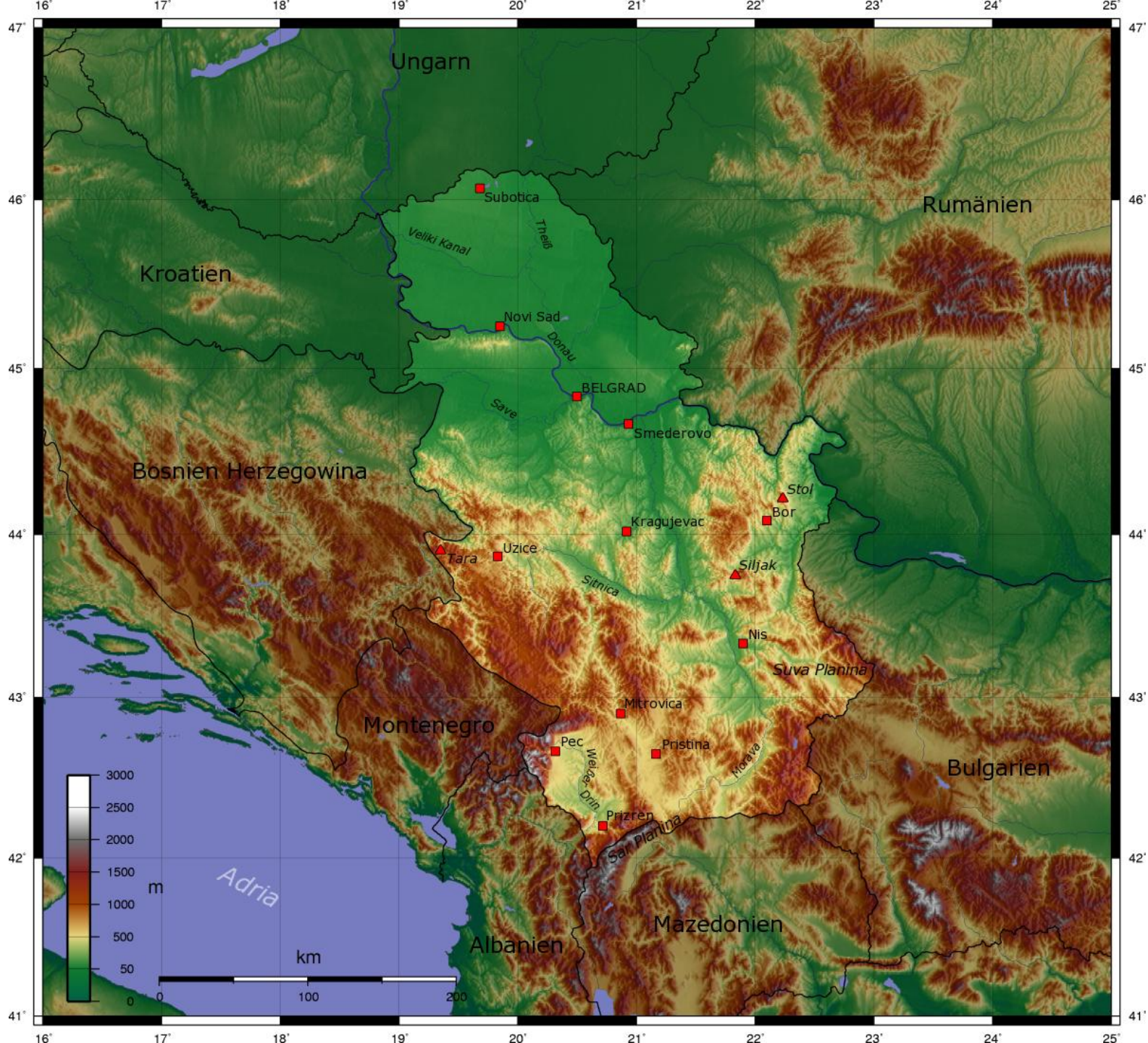
**Dr Milica Fotirić Akšić, Assoc. Prof.**  
Faculty of Agriculture, University of Belgrade



# REPUBLIC OF SERBIA



- Population 7,058,322 (44.2% rural areas and 55.2% in urban).
- Area of 77,474 km<sup>2</sup>
- 5.05 million hectares (ha) of arable land.
- The value of Serbia's agricultural production is \$5.3 billion



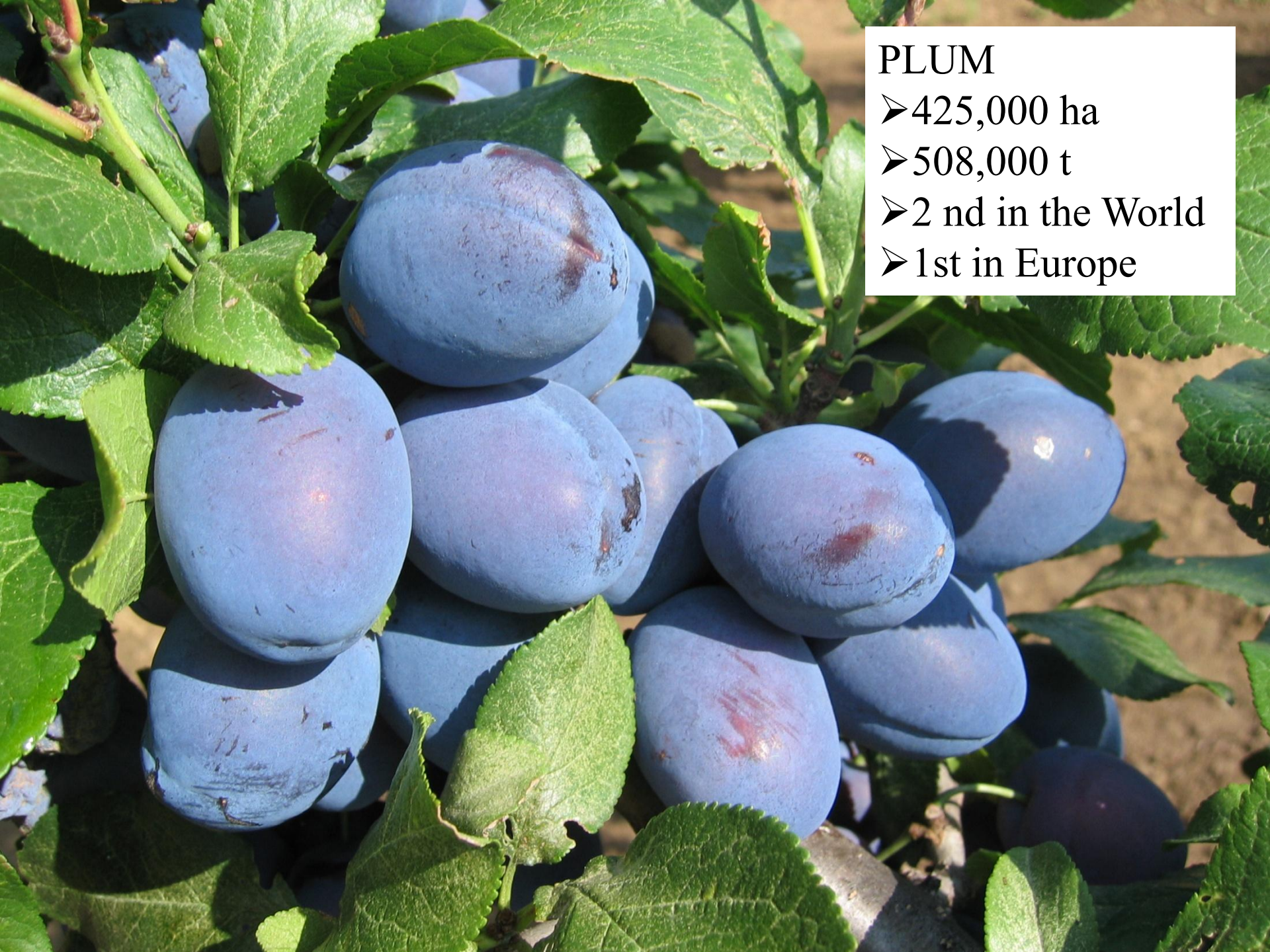
# FRUIT PRODUCTION



## RASPBERRY

- 20,000 ha
- 96,000 t

- 4th in the World
- Income \$105 million



## PLUM

- 425,000 ha
- 508,000 t
- 2 nd in the World
- 1st in Europe

# BLACKBERRY

- 3,000 ha
- 25,000 t
- 4 th in the World
- 1st in Europe



# SOUR CHERRY

- 14,000 ha
- 104,000 t
- 6-8th in the World



# APPLE

➤ 26,500 ha

➤ 350,000 t

➤ 15th in Europe

➤ Annual income is \$106 million







Quince:  
10,795 t (9th in the World)



Peach:  
114,000 t on 8,000 ha



Apricot:  
30,000 t,  
55,000 ha (8th in the Europe)

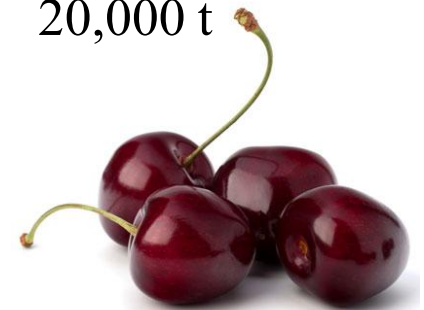
Pear:  
80,000 t on 7,000 ha



Strawberry:  
50,000 t on 5,000 ha



Sweet cherry:  
20,000 t



There are nearly 70,000 hectares of vineyards in Serbia, producing about 425,000 tons of grapes annually, which position Serbia among the first 15 wine producing countries in the world.

The majority of production is dedicated to local wineries.

Major varieties include the Belgrade Seedless, Prokupac, Sauvignon, "Italian Riesling", Cabernet, Chardonnay, White and Red Burgundy, Hamburg, Muscat, Afus Ali, Vranac, Tamjanika, Krstac, Smederevka, and Dinka.



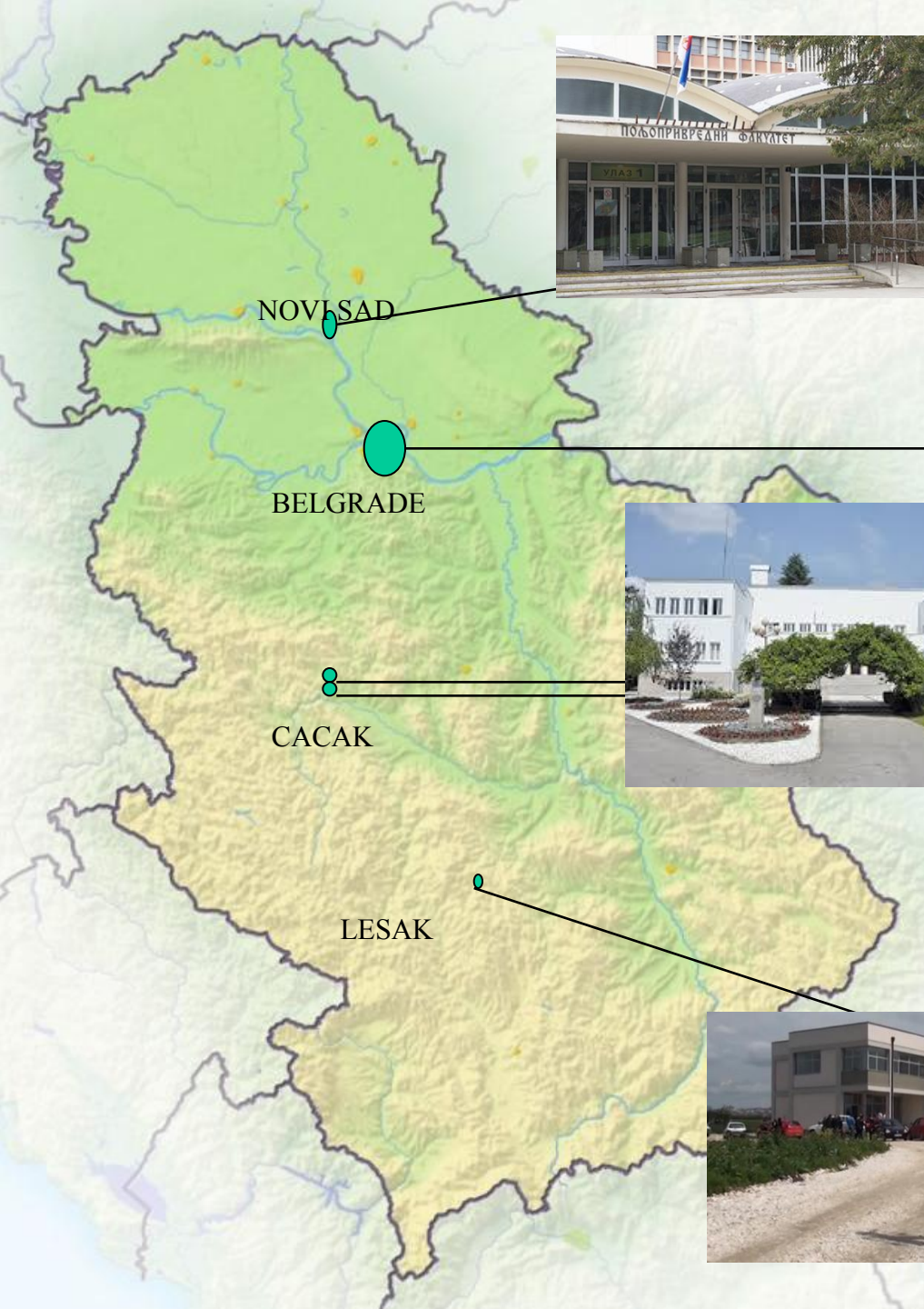
# ORGANIC PRODUCTION

On more than 15,000 hectares (2,000 produces) of agricultural land, Serbian organic production mostly consists of fruits and field crops, with constant growth of cereals and oilseeds production. Most of these products are exported to the EU (Germany, Netherlands) and US market, but also there is high demand on the domestic market.

Main Serbian organic products are:

grain and industrial plants, fruits (raspberry, cherry, blackberry, blueberry, apple, plum, peach, pear, quince, grape, aronia), vegetable, spice and medicinal herbs, livestock products, honey, propolis, fattened carp





Faculty of Agriculture  
University of Novi Sad

Faculty of Agriculture  
University of Belgrade



Fruit Research Institute  
Cacak

Faculty of Agriculture  
University of Kragujevac

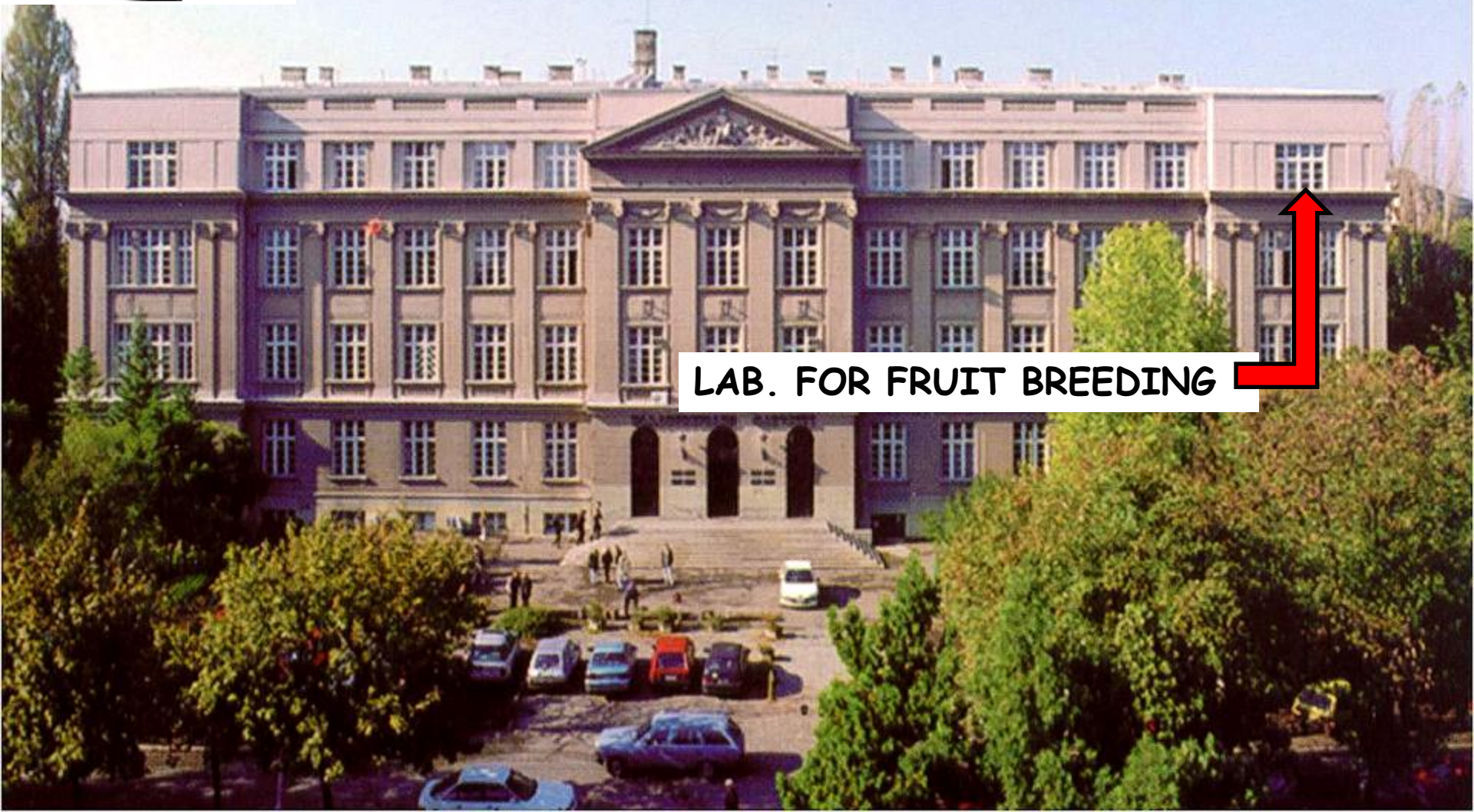


Faculty of Agriculture  
University of Pristina





# Faculty of Agriculture, University of Belgrade



**LAB. FOR FRUIT BREEDING**



Faculty of Agriculture was established in 1919 as one of the six faculties of the University of Belgrade. Faculty got its own building in Zemun in 1932, where is still located. After World War II, the Faculty had very intensive development and reached the level of the first higher education institution of its kind in the country for education of students in all agricultural branches.

Since its foundation in 1919 about 15.600 students have gained BS degree, 866 MS degree and 699 PhD degrees. The enrolment of students is up to 1.000 students per year, 370 students graduate, 30 receive MS degree and 20 receive PhD degrees, annually.

Institute for crop production;

**Institute for fruit science and viticulture;**

Institute for animal husbandry;

Institute for soil science and reclamation;

Institute for phytopharmacy;

Institute for agricultural machinery;

Institute for food processing;

Institute for agroeconomy



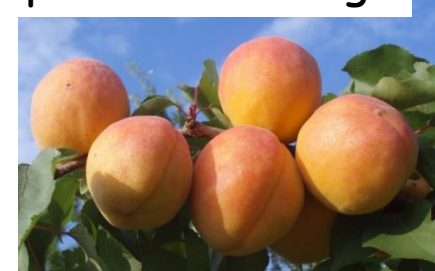
Београд XVII Пољопривредно шумарски факултет.  
Београд XVII Zemun Faculté forrestière et d'agriculture

# EXPERIMENTAL STATION 'RADMILOVAC'

- Established in 1947 as a legacy
- The total area is 86 ha



Peach and apricot breeding



Sweet and sour cherry breeding



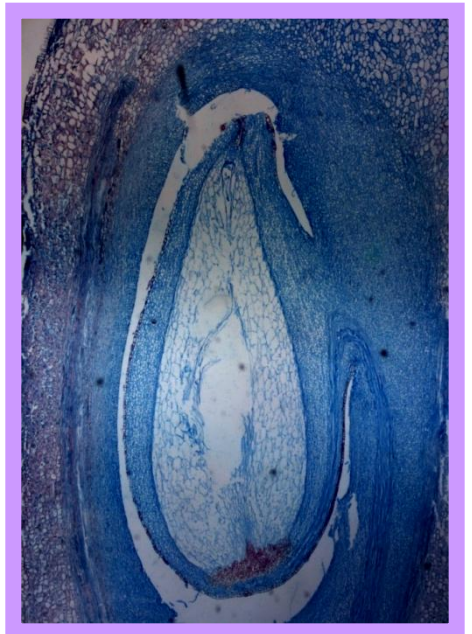
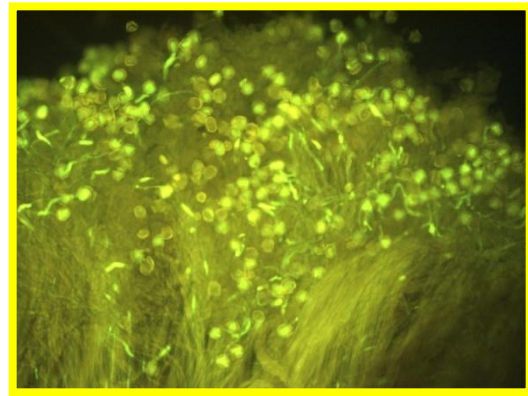
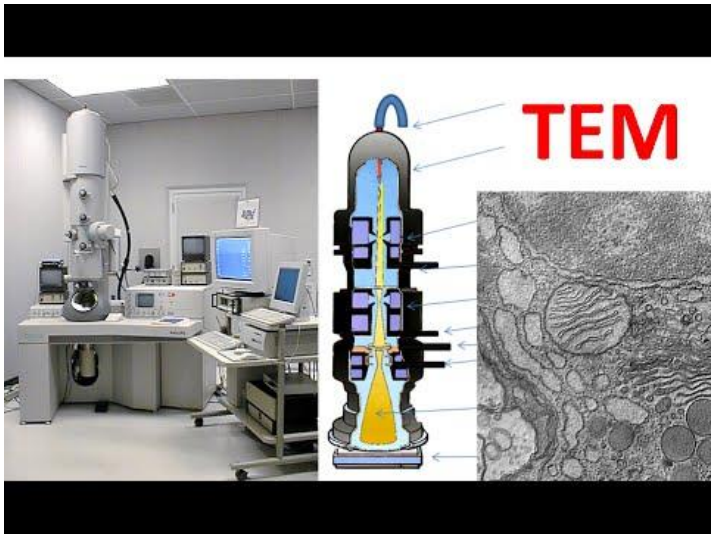
Grapevine breeding



Plum breeding



Apple breeding



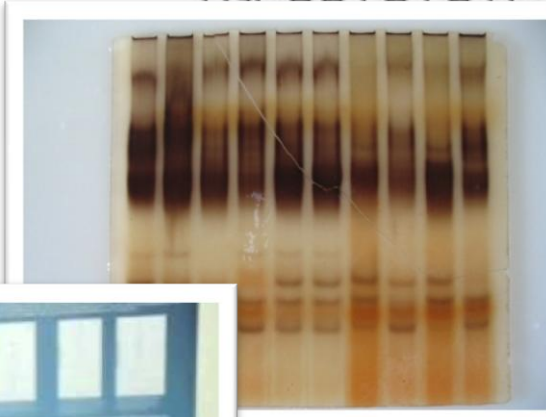
Fluorescent (FM) and light (LM) microscopy  
Scanning electron microscopy (SEM)  
Transmitting scanning microscopy (TEM)





# DNA analysis

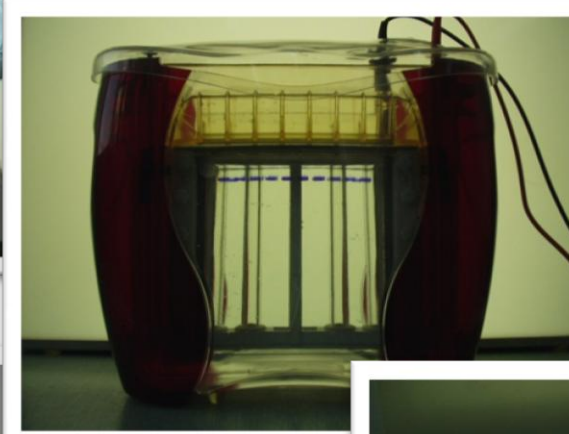
ACGTTATATAGAAGCCATGCTATAG  
TCCAAATATATCTTCGGTACGATATC



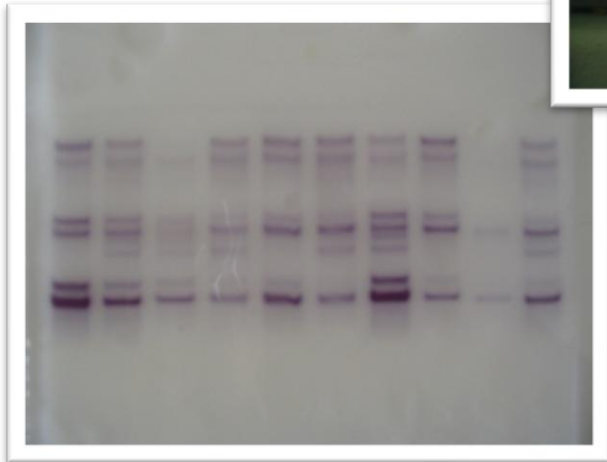
A  
T  
1  
T  
G  
C



CGTTATATAGAAGCCATGCTATAG  
TCGA

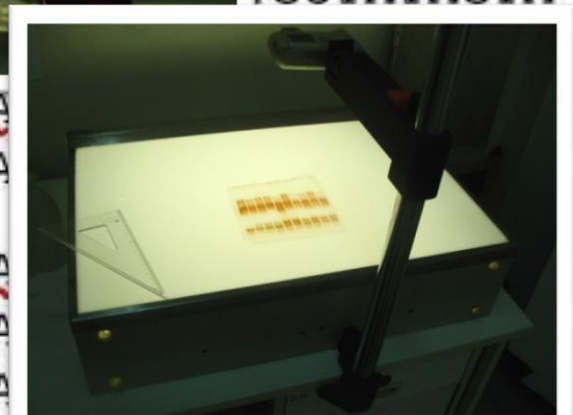


GCTATAGT  
GCTATAGT  
GCTATAGT  
GCTATAGT  
GCTATAGTA



GTTATATA  
GTTATATA

TTATATA  
TTATATA  
TTATATA  
TTATATAGAAGCAATGCTATAGTAC



# GENETIC RESOURCES OF OLD AUTOCHTHONOUS FRUIT CULTIVARS

AND

INDIGENIOUS FRUIT SPECIES





# BELGRADE



**GOLUBAC**



**MANASIJA**



**ZICA**



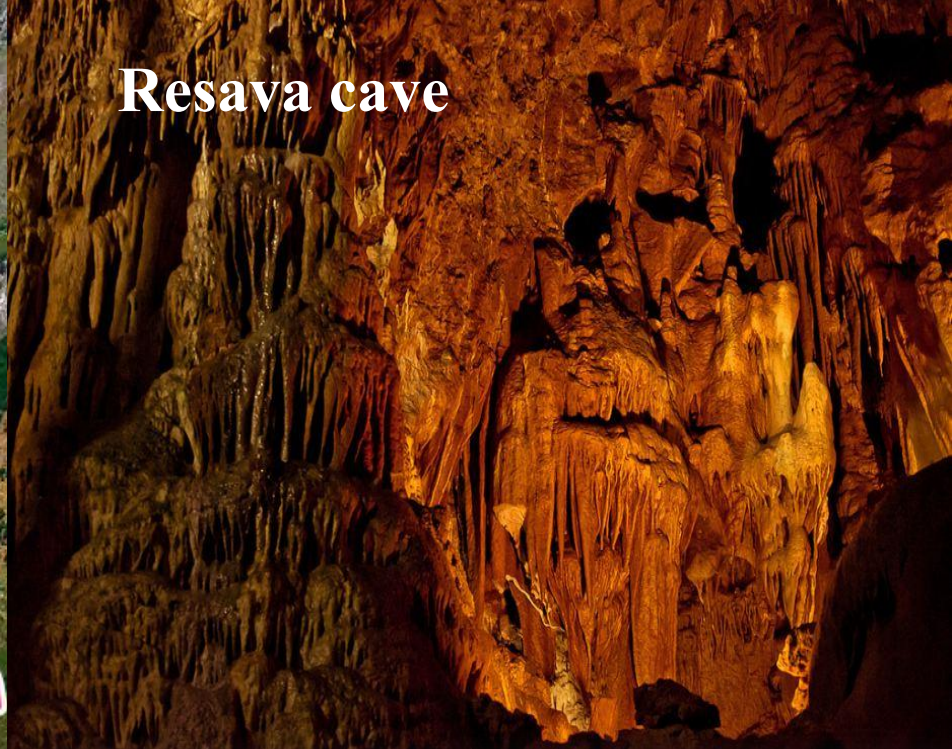
**Ostrog near Golupca**



Uvac river



Resava cave



Devil's Town



Country side



**THANKS FOR YOUR  
ATTENTION**

