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*EUROPEPLAND– Implementing a trans-EUROpean
PEPper LANDrace collection for resilient agriculture*

30 October 2024, Almeria, Spain



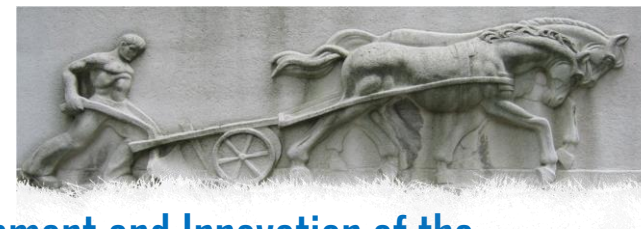


Нови Сад (Novi Sad)





The Institute of Field and Vegetable Crops, Novi Sad (IFVCNS) was established in 1938.



State-owned institution under the authority of the Ministry of Science, Technological Development and Innovation of the Republic of Serbia

IFVCNS conducts research in biotechnology, genetics and breeding, seed production, microbiology, physiology, biochemistry, agrochemistry, soil amelioration, phytopathology, entomology, phytopharmacy, toxicology,

Departments:

- Department of Small Grains
- Maize Department
- Department of Legumes
- Sunflower Department
- Department of Vegetable and Alternative Crops

Laboratories:

- Laboratory for Soil and Agroecology
- Laboratory for Seed Testing
- Laboratory for Biotechnology



IFVCNS participated in or coordinated more than 170 national and 80 international projects.

More than 100 researchers,
90 have a PhD degree



IFVCNS breeders have developed over 1200 cultivars and hybrids



Main IFVCNS activities on pepper

- Development of high-yield pepper varieties that adapt well to local climate conditions
Matica, Anita, Una, Novosađanka, Plamena, Amfora. . .

NS Prva, NS Kruna, NS Vatreana, NS Ljutica, . . .

- Development of pepper varieties tolerant to *Xanthomonas euvesicatoria*



NS Prva



NS Kruna



NS Vatreana



NS Ljutica



IFVCNS pepper varieties registered from 1988 to 2001

Matica



Buketna 1



Atina



Novosađanka



Anita



Una



Vranjska



Krušnica



Plamena



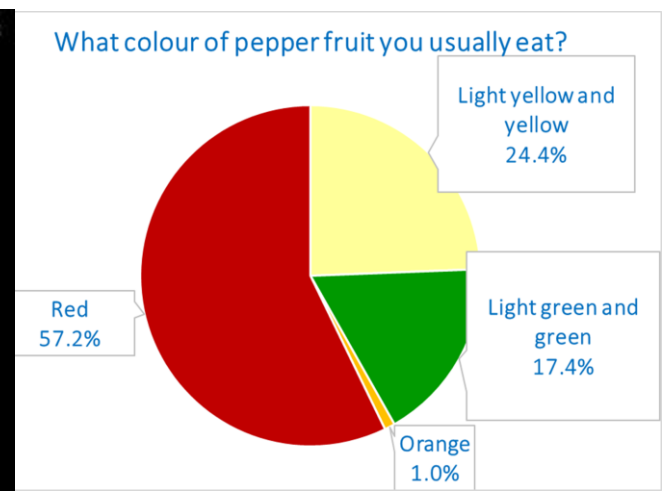
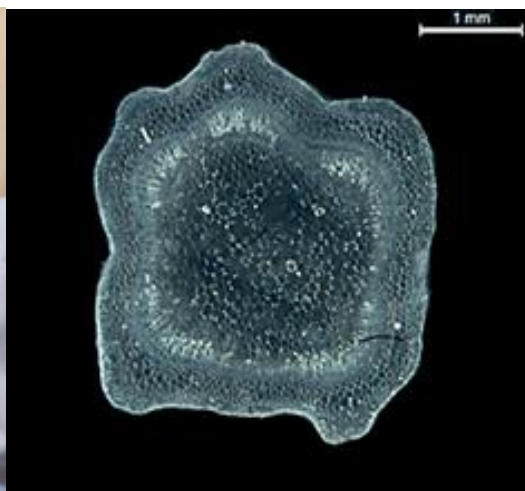
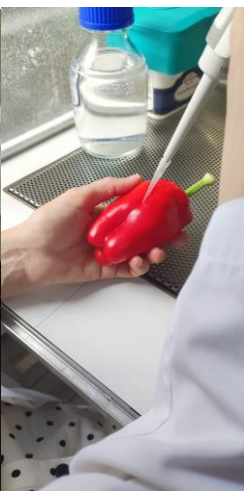
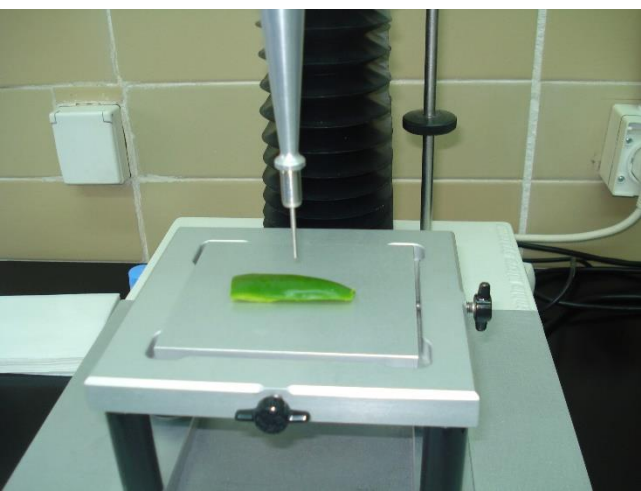
Amfora



Other IFVCNS activities on pepper

- Preserving Serbian pepper varieties and landraces
 - Evaluation of capsaicin and dihydrocapsaicin in Serbian Hot Peppers
 - Effect of Trichoderma on Growth Promotion of Pepper Seedlings
 - Postharvest changes on experimental pepper hybrids and breeding lines
 - Biochemical response of pepper fruits to infestation of *Alternaria alternata*.
 - Stem and fruit histological parameters in characterization of pepper cultivars
 - Consumers preference of pepper fruits
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- Evaluation of mineral and oil content in pepper seed
 - Efficacy of plant extracts against *Ostrinia nubilalis*
 - Biochemical response of pepper fruits to infestation of *Botrytis cinerea*

- (IFVCNS)
 - (IFVCNS)
 - (IFVCNS and Fac. of Agr., NS)
 - (IFVCNS and FINS)
 - (IFVCNS and Fac of Agr., NS)
 - (IFVCNS and Fac. of Sci., NS)
 - (IFVCNS Fac. of Agr., BG)
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- (IFVCNS and Fac. of Tech., NS)
 - (IFVCNS)
 - (IFVCNS and Fac. of Agr., NS)



IFVCNS pepper landraces collection

- The IFVCNS pepper landraces collection well represents the diversity of different local peppers originating from all parts of Serbia.
- Main morphological fruit traits (length, width, weight, pericarp thickness, locule number, brix)



Seeds availability for sharing based on SMTA?



Serbian pepper landrace collection

Хоргошка слатка (Horgoška slatka)



Хоргош (Horgoš)



Сомборка (Somborka)



Сомбор (Sombor)



Гложанска бабура (Gložanska babura)



Гложан (Gložan)



Нови Сад (Novi Sad)



Новосадска бела бабура
(Novosadska bela babura)



Жабарка (Žabarka)



Алексинач (Aleksinac)



Чокотанка (Čokotanka)



Вртка (Vrtka)



Бела Паланка (Bela Palanka)



Венчарка (Venčarka)



Локошничка (Lokošnička)

Доња Локошница (Donja Lokošnica)



Џинка (Džinka)

Пуцкавка (Puskavka)



Лесковац (Leskovac)



